HCD-CP2A

SERVICE MANUAL

AEP Model
UK Model
E Model
Australian Model

HCD-CP2A is the Amplifier, CD player, Tape Deck and Tuner section in CMT-CP2WA.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
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CD Section	Model Name Using Similar Mechanism	NEW
	CD Mechanism Type	CDM55D-K5BD41
	Base Unit Name	BU-K5BD41
	Optical Pick-up Name	KSM-213CKP/K1N
TAPE Section	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	CMBL6Z112

SPECIFICATIONS

Amplifier section

European and Australian models:

DIN power output (rated): 30 + 30 W
(6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):
35 + 35 W
(6 ohms at 1 kHz, 10% THD)

Music power output (reference):
130 W

Other models:

The following measured at 230 V AC, 60 Hz

DIN power output (rated): 30 + 30 W
(6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):
35 + 35 W
(6 ohms at 1 kHz, 10% THD)

The following measured at 220 V AC, 60 Hz

DIN power output (rated): 28 + 28 W
(6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):
33 + 33 W
(6 ohms at 1 kHz, 10% THD)

Inputs

MD IN (phono jacks): Sensitivity 500 mV, impedance 47 kilohms

VIDEO IN (phono jacks): Sensitivity 250 mV, impedance 47 kilohms

Outputs

LINE OUT (phono jacks): Sensitivity 250 mV, impedance 1 kilohm

OPTICAL DIGITAL OUT CD:
Optical

PHONES (stereo phone jack):
Accepts headphones with an impedance of 8 ohms or more

SPEAKER: Active speaker system, 6 ohms

CD player section

System: Compact disc and digital audio system

Laser: Semiconductor laser
(λ = 780 nm)
Emission duration: continuous

Laser output: MAX 44.6 μW*
* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.

Wavelength: 780 - 790 nm

Frequency response: 20 Hz - 20 kHz (±0.5 dB)

Tape player section

Recording system: 4-track 2-channel stereo

Frequency response (DOLBY NR OFF)
50 - 13,000 Hz (±3 dB), using a Sony TYPE I cassette
50 - 14,000 Hz (±3 dB), using a Sony TYPE II cassette

– Continued on next page –

COMPACT DISC DECK RECEIVER

SONY®

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range	87.5 - 108.0 MHz (50-kHz step)
Antenna	FM wire antenna
Antenna terminals	75 ohm unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

Tuning range

European and Australian models:
531 - 1,602 kHz (with the tuning interval set at 9 kHz)

Other models:
530 - 1,710 kHz (with the tuning interval set at 10 kHz)
531 - 1,602 kHz (with the tuning interval set at 9 kHz)

Antenna	AM loop antenna, external antenna terminal
Intermediate frequency	450 kHz

General

Power requirements

European and Australian models:
230 V AC, 50/60 Hz

Other models:	110 - 120 V or 220 - 240 V AC , 50/60 Hz Adjustable with voltage selector
Power consumption	70 W
Dimensions (w/h/d)	Approx. 225 × 273 × 337 mm ($8\ ^{7}/_{8} \times 10\ ^{3}/_{4} \times 13\ ^{3}/_{8}$ in) incl. projecting parts and controls
Mass	Approx. 6.7 kg (14 lb 12 oz)

Design and specifications are subject to change without notice.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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SECTION 1
SERVICING NOTES

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

The following caution label is located inside the unit.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

ADVARSEL : USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSAETTELSE FOR STRÅLING.

VORSICHT : UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET UND SICHEREITSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.

VARO! : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

VARNING : OSYNLING LASERSTRÅLING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.

ADVERSEL : USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.

VIGYAZAT! : A BURKOLAT NYITÁSAKOR LÁTHATATLAN LÉZERSUGÁRVESZÉLY! KERÜLJE A BESUGÁRZÁST!

DANGER	DANGER
INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.	RADIATION DE LESER INVISIBLE LORS D'OUVERTURE. AVEC L'ENCLENCHEMENT DE SECURITE ANNULE. EVITER L'EXPOSITION DIRECTE .AU RAYON.

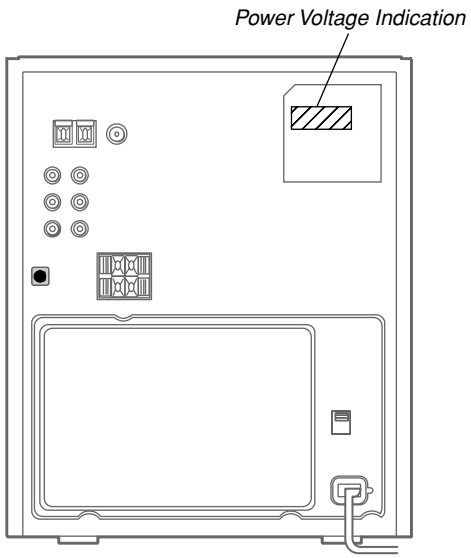
NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

• MODEL IDENTIFICATION
– Rear Panel –

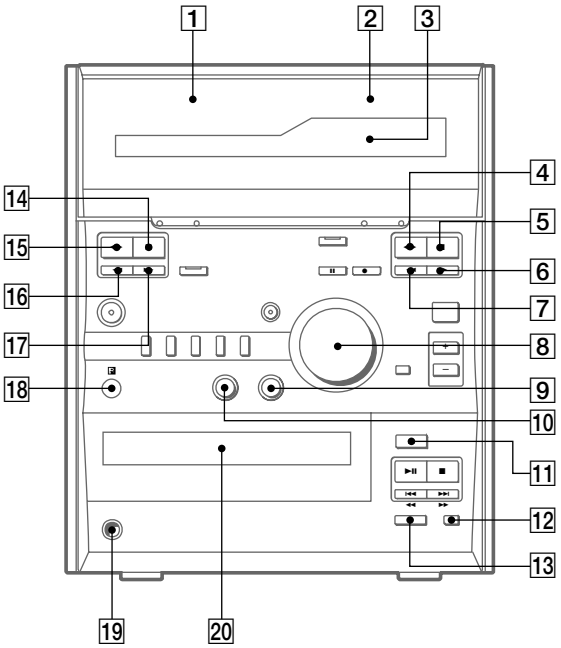


Model	Power Voltage Indication
AEP, UK, North European and Australian models	AC: 230 V ∿50/60 Hz 70 W
Saudi Arabia	AC: 110 – 120/220 – 240 V ∿50/60 Hz 70 W

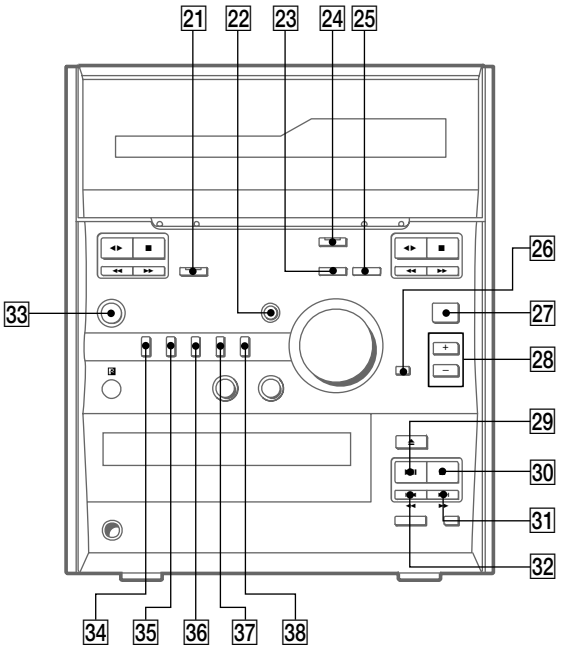
SECTION 2
GENERAL

• LOCATION OF CONTROLS

– Front View –



1 TAPE A deck
2 TAPE B deck
3 Liquid crystal display
4 TAPE B ◀▶ button
5 TAPE B ■ button
6 TAPE B ▶▶ button
7 TAPE B ◀◀ button
8 VOLUME knob
9 TREBLE knob
10 BASS knob
11 CD EJECT ⏏ button
12 CD REPEAT button
13 CD PLAY MODE button
14 TAPE A ■ button
15 TAPE A ◀▶ button
16 TAPE A ◀◀ button
17 TAPE A ▶▶ button
18 Remote control sensor
19 PHONES jack
20 CD disc tray



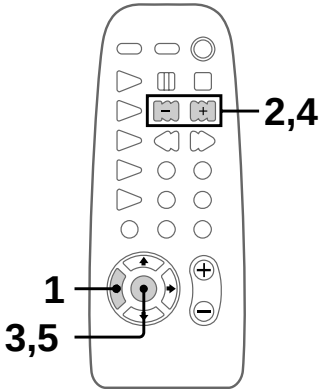
21 HI-SPEED DUBBING A⟶B button and indicator
22 DSG button and indicator
23 ❚❚ button (TAPE A/B)
24 CD SYNC button and indicator
25 REC button
26 TUNING MODE button
27 TUNER BAND button
28 TUNING +/– buttons
29 CD ▶❚❚ button
30 CD ■ button
31 ▶▶❙ ▶▶ button
32 ❙◀◀ ◀◀ button
33 I/⏻ button and indicator
34 VIDEO button and indicator
35 MD button and indicator
36 TAPE button and indicator
37 CD button and indicator
38 TUNER button and indicator

Step 2: Setting the time

Before you can use the system's timer functions, set the internal clock.

The clock uses a 24-hour system on the European model, and a 12-hour system on other models.

The 24-hour system is used here for illustration purposes.

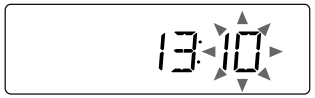


1 Press TIMER SET.
The hour indication flashes.

2 Press ⏮/⏭ repeatedly to set the hour.

3 Press ENTER.
The minute indication flashes.

4 Press ⏮/⏭ repeatedly to set the minute.



5 Press ENTER.
The clock starts working.

To reset the system clock

You can reset the system clock when the system is on.

1 Press TIMER SET.
2 Press ⏮/⏭ repeatedly until "SET CLOCK" appears, then press ENTER.
3 Repeat step 2 to 5 in "Step 2: Setting the time".

Tip

If you make a mistake, start over from step 1.

Parts identification for the remote

You can also operate the system with the supplied remote.
Buttons marked with "*" are provided only on the remote.

TUNER

Remote Button(s)	Function
TUNER/BAND	Selects FM or AM.
TUNING MODE	Selects "AUTO", "PRESET" or "MANUAL".
MEMORY*	Presets a station.
STEREO/MONO*	Selects "STEREO" or "MONO".
⏮/⏭	Selects a preset number.
◁◁/▷▷	Scans for a station or selects a preset station.

CD

Remote Button(s)	Function
CD ▷	Starts playback.
□	Stops playback.
⏸	Pauses playback.
⏮/⏭	Selects a track (AMS: Automatic Music Sensor).
◁◁/▷▷	Locates a desired point in a track.
CD REPEAT	Repeats playback.
PLAY MODE	Selects Shuffle, Program or Normal Play.
DISPLAY*	Changes the front panel display.

TAPE

Remote Button(s)	For operating the	Function
TAPE A (or B) ◄►	Deck A or B	Starts playback. Each time you press this button, the tape reverses direction.
□	Deck A or B	Stops playback.
⏸	Deck A or B	Pauses playback.
◁◁/▷▷	Deck A or B	Fast-forwards or rewinds.
● REC	Deck B	Records to tapes.
DIR MODE*	Deck A or B	Selects "⇄", "(⇄)" or "R".
DOLBY NR*	Deck A or B	Turns on or off the Dolby NR system.

TIMER

Remote Button(s)	Function
SLEEP*	Selects a sleep time.
TIMER SET*	Sets the time, Daily Timer or REC Timer.
TIMER SELECT*	Checks the settings and turns on or off the timer.

OTHERS

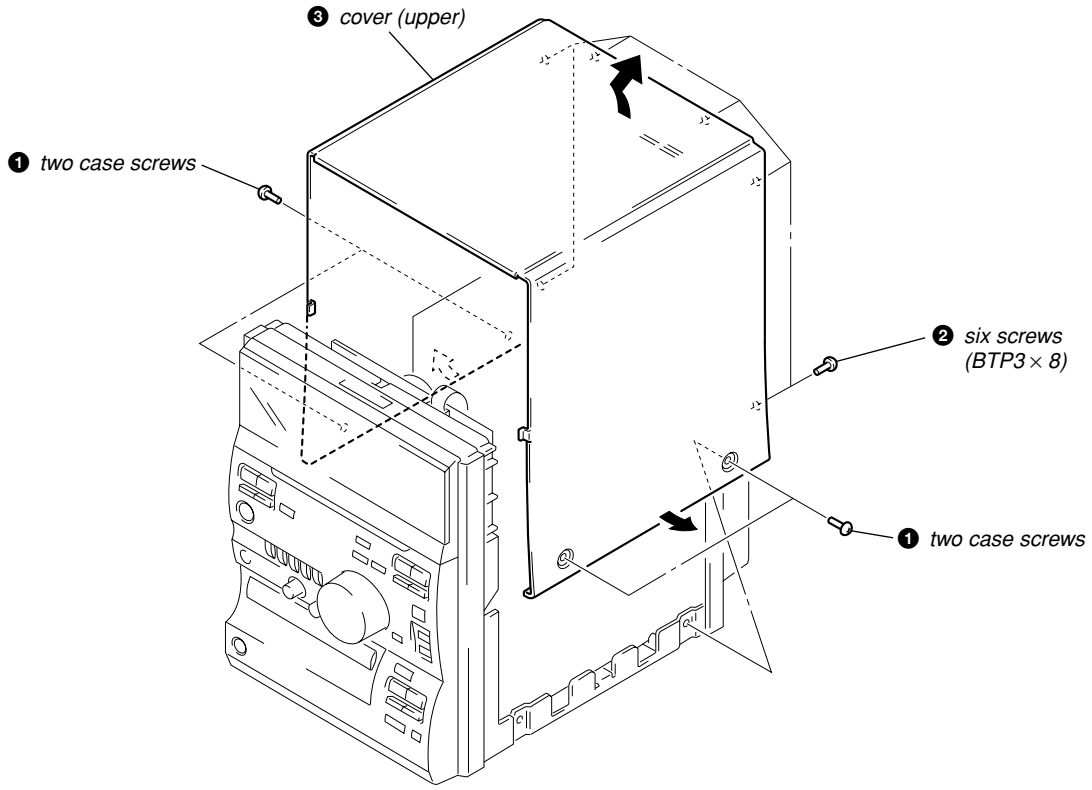
Remote Button(s)	Function
I/⏻	Turns on or off the system.
VOL +/–	Adjusts the volume.
FUNCTION	Selects the source.
DSG	Generates a more dynamic sound.

This section is extracted from instruction manual.

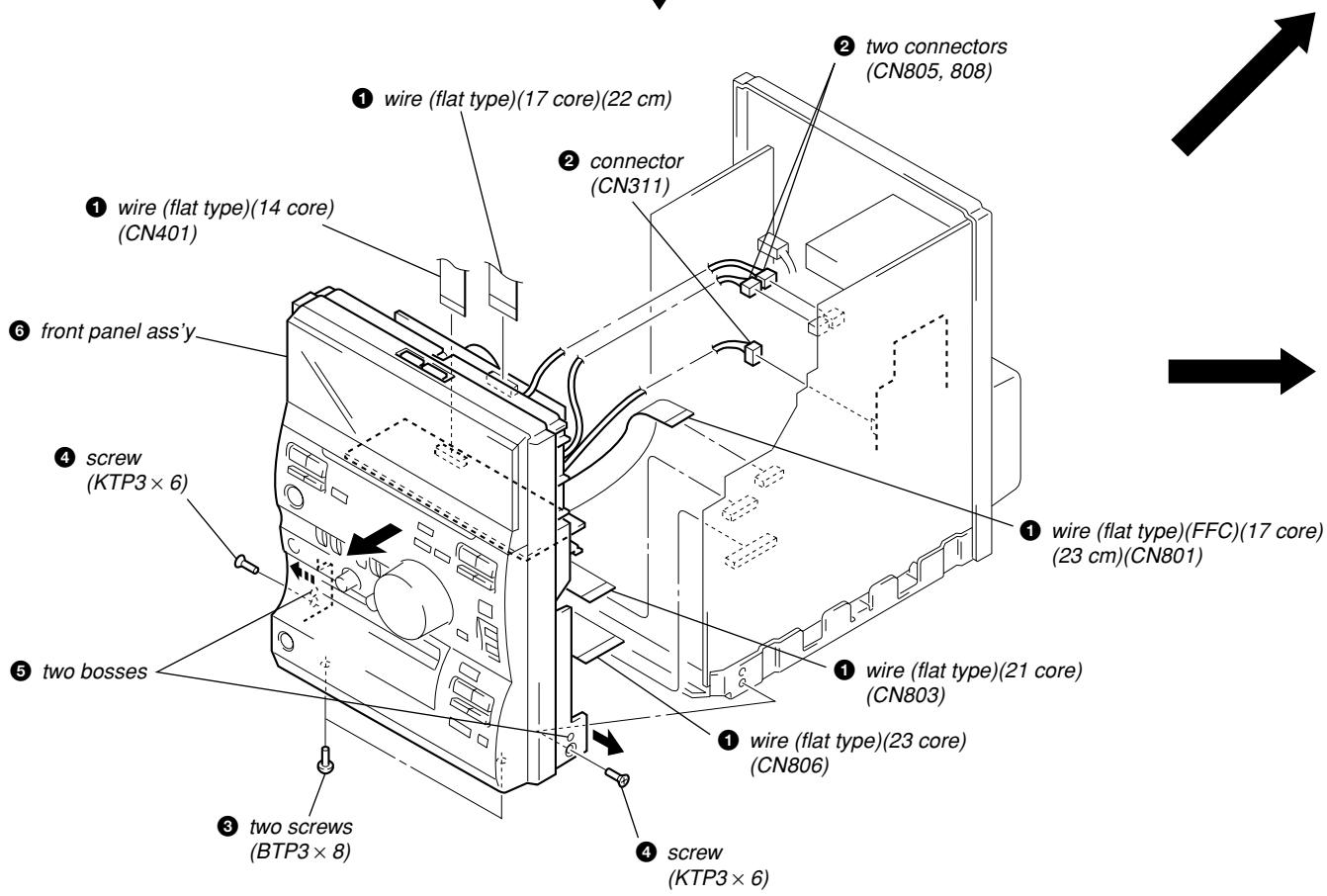
SECTION 3
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

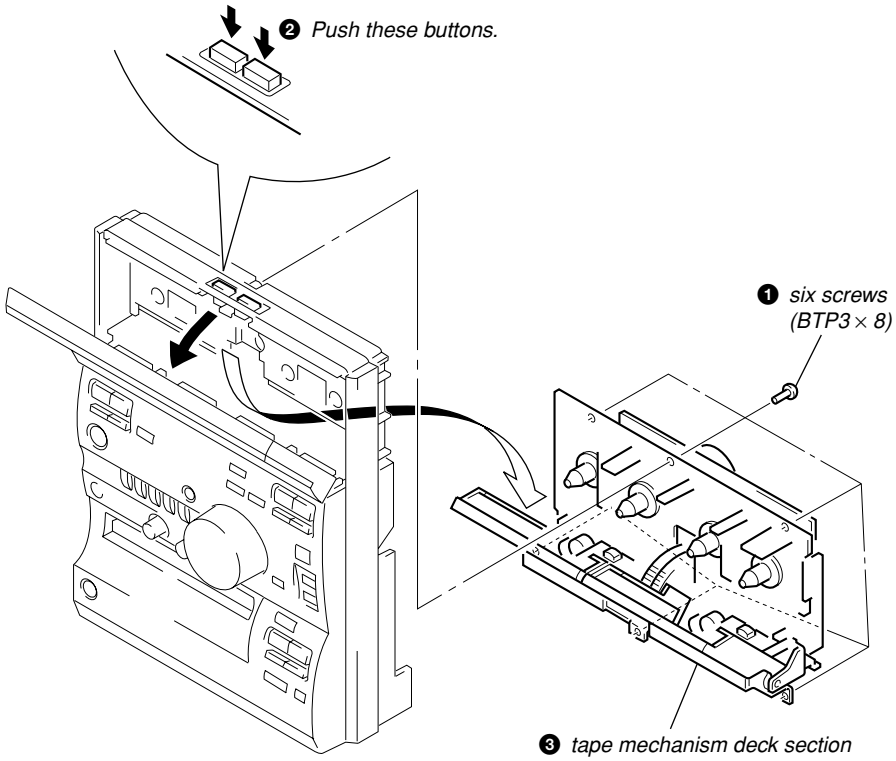
COVER (UPPER)



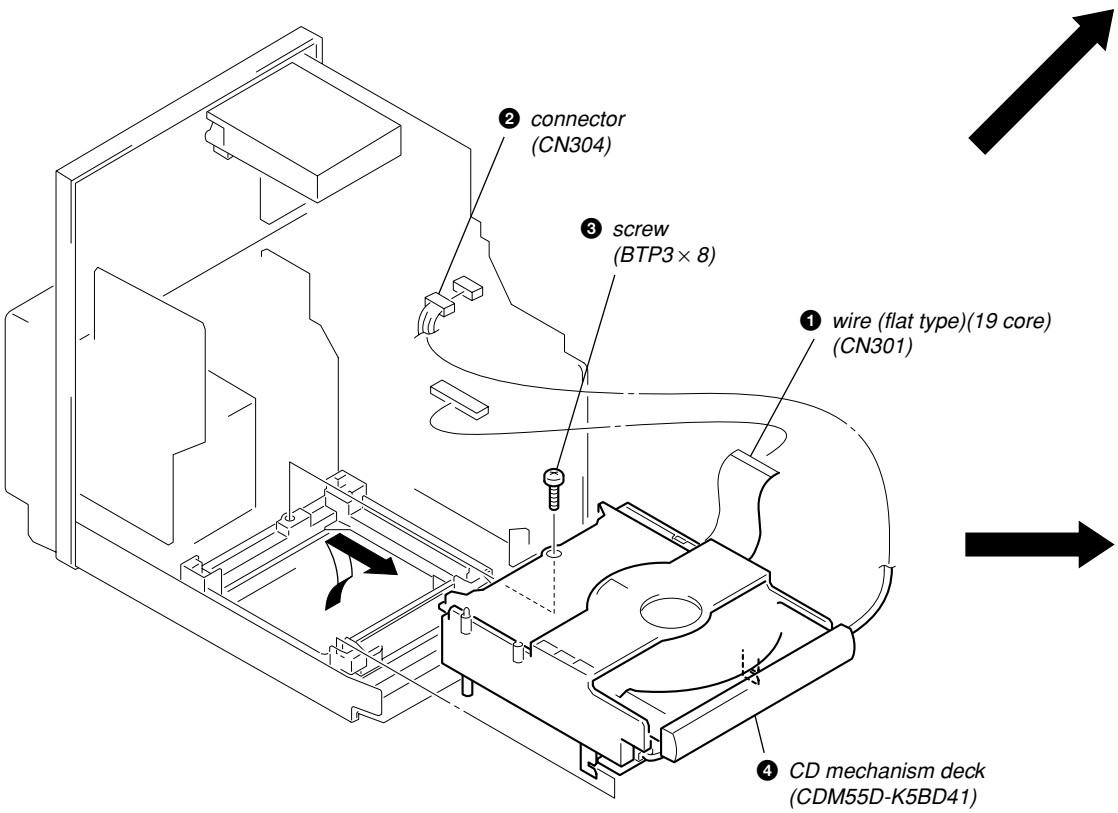
FRONT PANEL ASS'Y



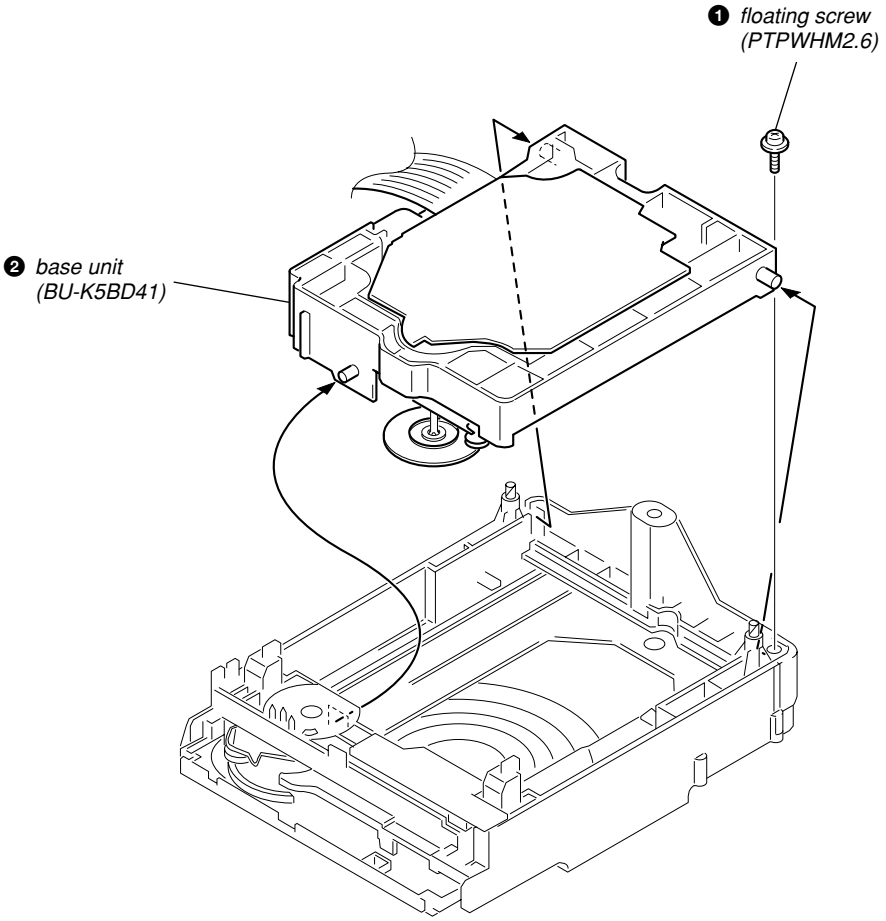
TAPE MECHANISM DECK SECTION



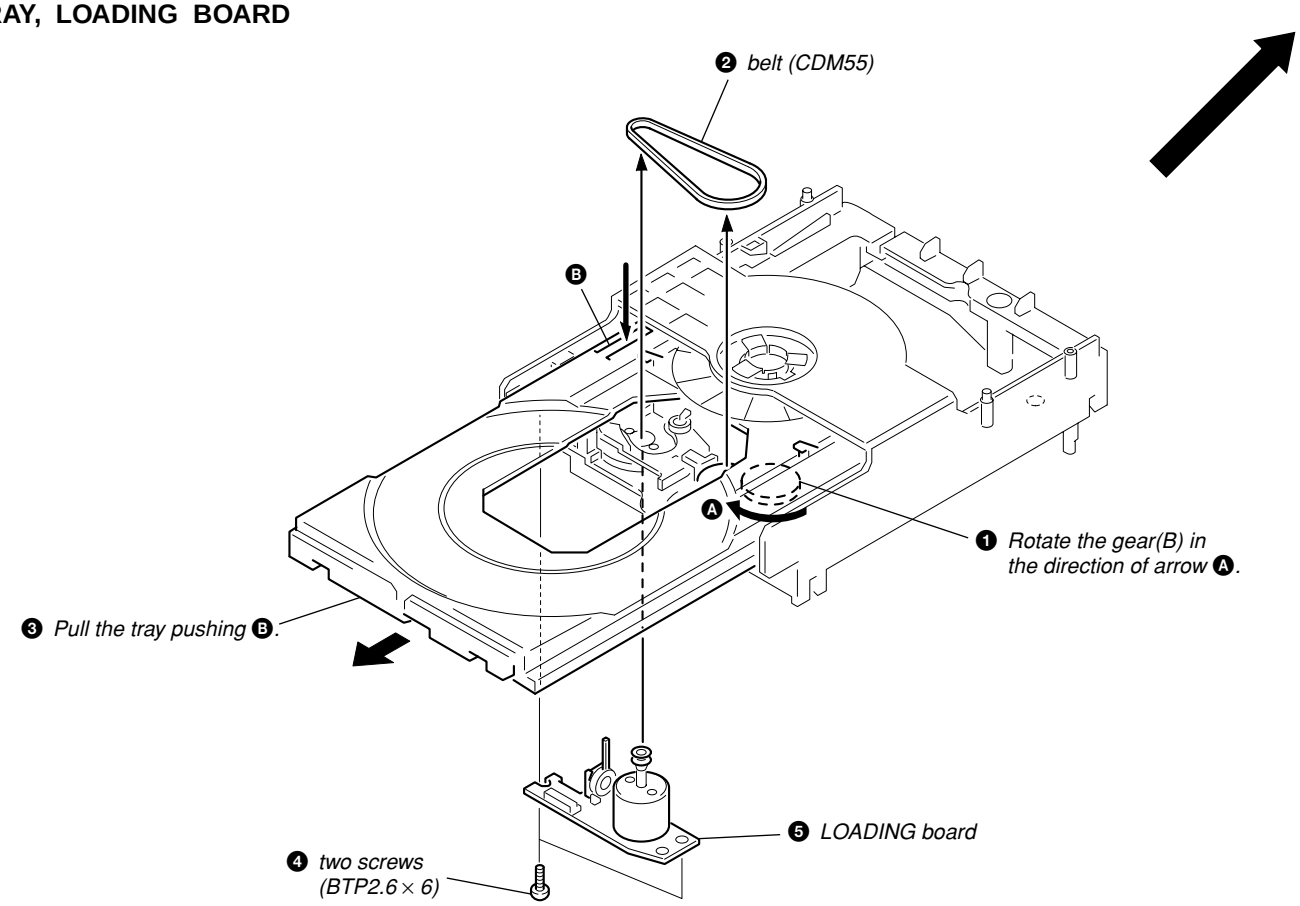
CD MECHANISM DECK (CDM55D-K5BD41)



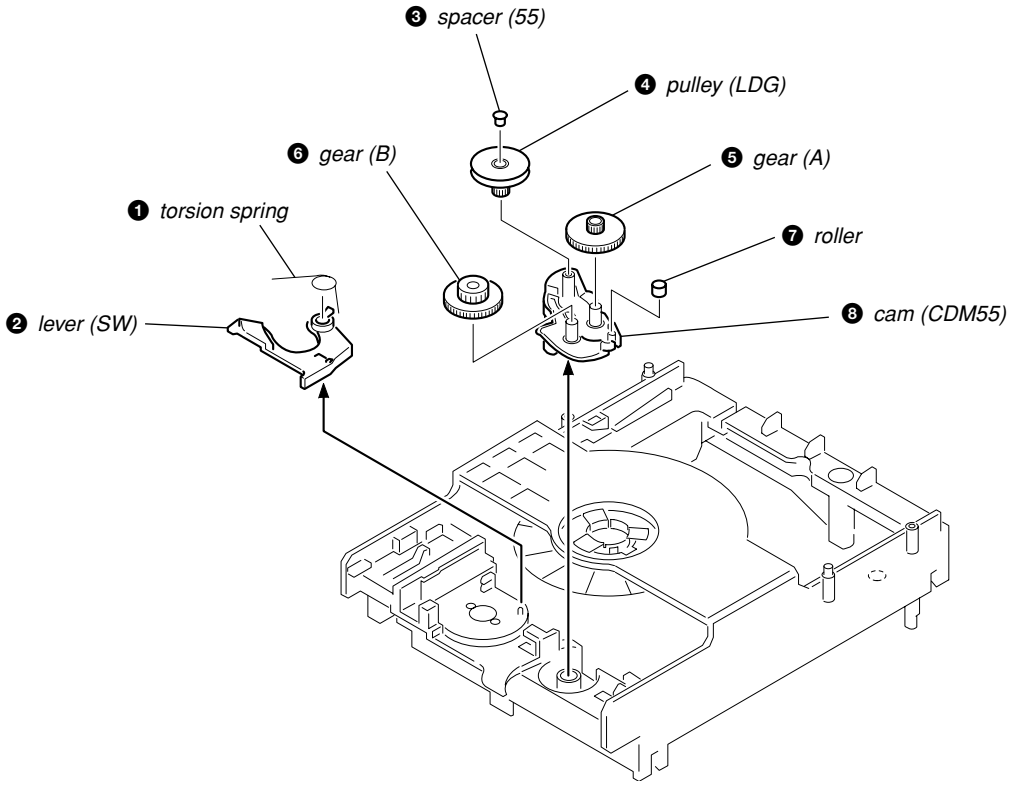
BASE UNIT (BU-K5BD41)



TRAY, LOADING BOARD



CAM (CDM55)


❸ spacer (55)
❹ pulley (LDG)
❻ gear (B)
❺ gear (A)
❶ torsion spring
❼ roller
❷ lever (SW)
❽ cam (CDM55)

SECTION 4
TEST MODE

[MC Cold Reset]

- The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customer.

Procedure:

1. While pressing the I/⏻ and ■ (TAPE A) button, connect the power cord.
2. The set is reset.

[Liquid Crystal Display All Lit Check Mode]

Procedure:

1. Set to standby state.
2. Press three buttons of ■ (TAPE B), ■ (CD), and VIDEO (function) simultaneously.
3. Liquid crystal display are all turned on.
4. To release from this mode, press the I/⏻ button to turn the power OFF.

[ROM Version Display Mode]

Procedure:

1. Set to standby state.
2. Press three buttons of ■ (TAPE B), ■ (CD), and DSG simultaneously.
3. The ROM version is displayed.

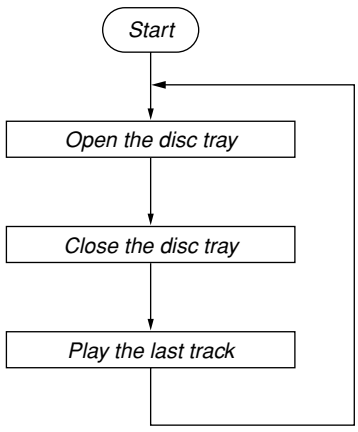
[CD Aging Mode]

This mode can be used for operation check of CD section.

Procedure:

1. Load a CD disc.
2. Set to standby state.
3. Press three buttons of ■ (TAPE B), ■ (CD), and TUNER (function) simultaneously.
4. The aging is executed in bellow sequence.
5. To release from the aging mode, press the I/⏻ button to turn the power OFF.

Aging mode sequence:



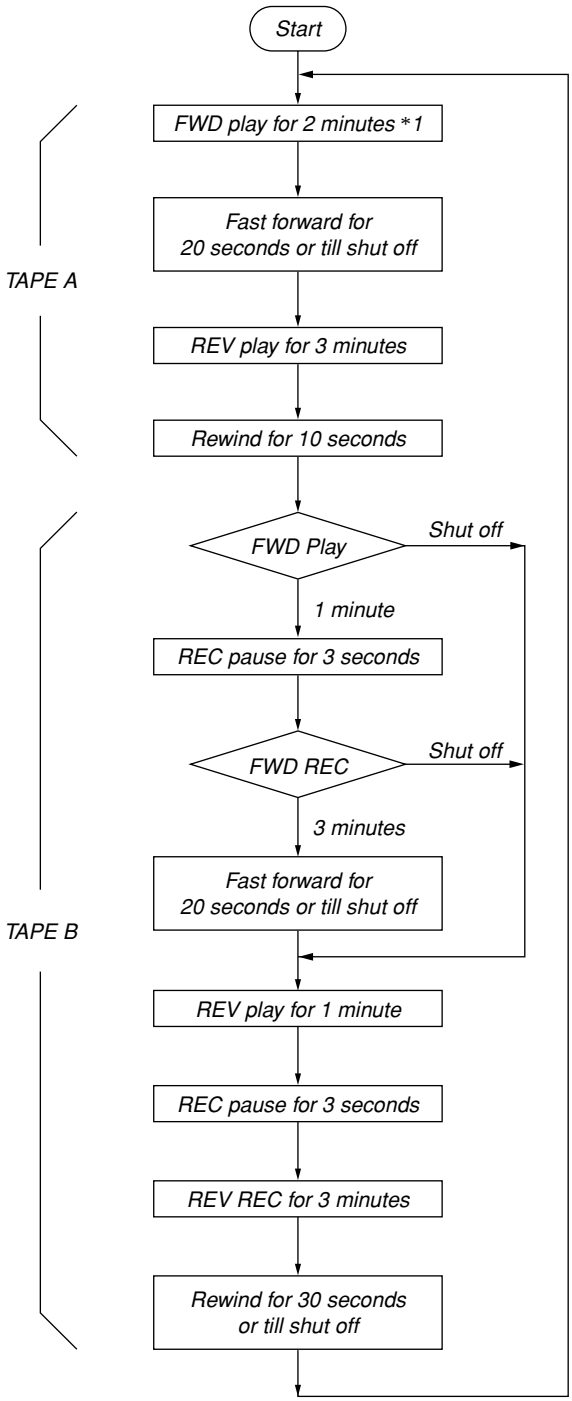
[Tape Deck Aging Mode]

This mode can be used for operation check of tape deck section.

Procedure:

1. Set tapes in the tape deck-A and B.
2. Set to standby state.
3. Press three buttons of ■ (TAPE B), ■ (CD), and TAPE (function) simultaneously.
4. The aging is executed in bellow sequence.
5. To release from the aging mode, press the I/⏻ button to turn the power OFF.

Aging mode sequence:


Start
FWD play for 2 minutes *1
Fast forward for 20 seconds or till shut off
REV play for 3 minutes
Rewind for 10 seconds
TAPE A
FWD Play
Shut off
1 minute
REC pause for 3 seconds
FWD REC
Shut off
3 minutes
Fast forward for 20 seconds or till shut off
TAPE B
REV play for 1 minute
REC pause for 3 seconds
REV REC for 3 minutes
Rewind for 30 seconds or till shut off

*1) When it shuts off within 2 minutes, it REV plays rest of the time then goes to the next step.

SECTION 5
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:
   record/playback heads — pinch rollers
   erase head — rubber belts
   capstan — idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

• Torque Measurement
• Tape Tension Measurement

• Torque Measurement

Mode	Torque Meter	Meter Reading
Forward	CQ-102C	3.53 ~ 5.98 mN•m 36 to 61 g•cm (0.50 – 0.84 oz•inch)
Forward Back Tension	CQ-102C	0.20 ~ 0.58 mN•m 2 to 6 g•cm (0.026 – 0.082 oz•inch)
Reverse	CQ-102RC	3.53 ~ 5.98 mN•m 36 to 61 g•cm (0.50 – 0.84 oz•inch)
Reverse Back Tension	CQ-102RC	0.20 ~ 0.58 mN•m 2 to 6 g•cm (0.026 – 0.082 oz•inch)
FF, REW	CQ-201B	5.99 ~ 14.02 mN•m 61 to 143 g•cm (0.85 – 1.98 oz•inch)

• Tape Tension Measurement

Mode	Tension Meter	Meter Reading
Forward	CQ-403A	more than 9.8 N more than 100 g (3.52 oz)
Reverse	CQ-403R	more than 9.8 N more than 100 g (3.52 oz)

SECTION 6
ELECTRICAL ADJUSTMENTS

TAPE DECK SECTION 0 dB=0.775 V

1. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head)
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjust.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment)
6. The adjustments should be performed for both L-CH and R-ch.
7. Switches and controls should be set as follows unless otherwise specified.

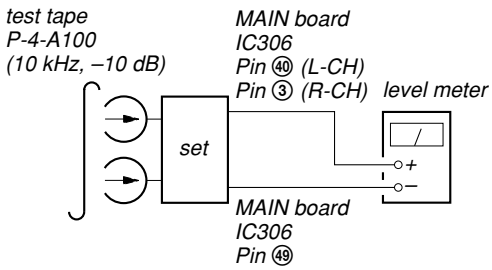
• Test Tape

Tape	Signal	Used for
P-4-A100	10 kHz, –10 dB	Azimuth Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Check
P-4-L300	315 Hz, 0 dB	Level Adjustment

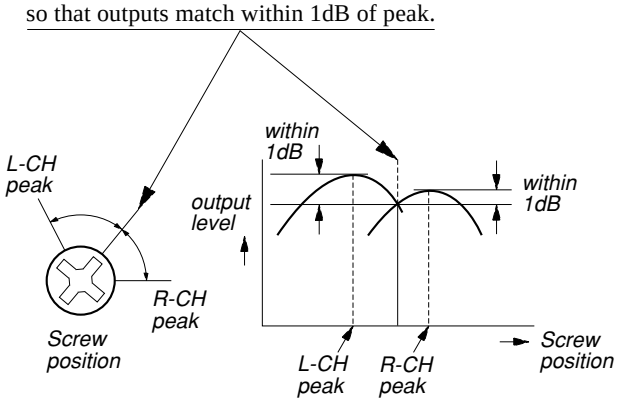
Record/ Playback Head Azimuth Adjustment

DECK A **DECK B**

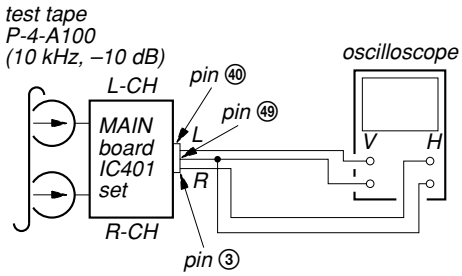
Note: Perform this adjustments for both decks
Procedure:

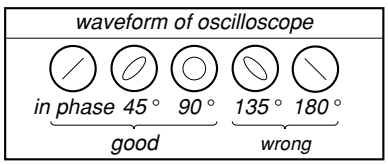


1. Mode: Playback (FWD)
2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1dB of peak.



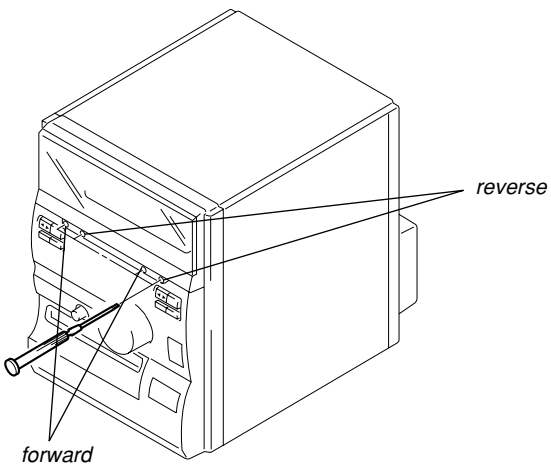
3. Mode: Playback (FWD)





4. Repeat steps 1 to 3 in playback (REV) mode.
5. After the adjustments, apply suitable locking compound to the pats adjusted.

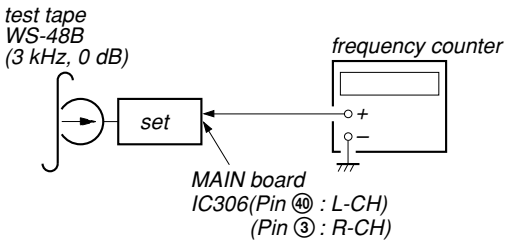
Adjustment Location: Record/Playback Head (Deck A and B) and MAIN board.



Tape Speed Check DECK A DECK B

Procedure:

Mode: Playback (FWD)



1. Insert the WS-48B into the deck A and the blank tape into the deck B.
2. Press the HI-SPEED DUBBING button and ❚❚ button. Then at HIGH speed dubbing.
3. Check that frequency counter reads 6,000 ± 180 Hz.
4. Press the ■ (TAPE A or B) button to stop the HIGH speed dubbing.
5. Press the REC●, ❚❚ and ◀▶ button. Then at NORMAL speed dubbing.
6. Check that frequency counter reads 3,000 ± 90 Hz.
7. Press the ■ (TAPE A or B) button to stop the NORMAL speed dubbing.
8. Frequency difference between deck A and deck B the beginning of the tape should be within ± 1.5%.

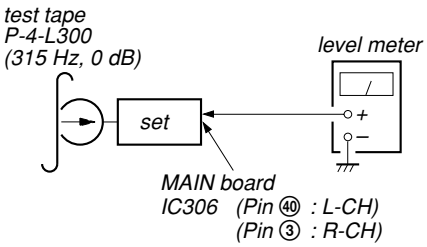
Checking Location: MAIN board

Sample Value of Wow and flutter: 0.3% or less W. RMS (JIS) (WS-48B)

Playback level Adjustment DECK A DECK B

Procedure:

Mode: Playback (FWD)



Deck A is RV401 (L-CH) and RV421 (R-CH), Deck B is RV402 (L-CH) and RV422 (R-CH) on the TC board so that adjustment within adjustment level as follows.

Adjustment Level:

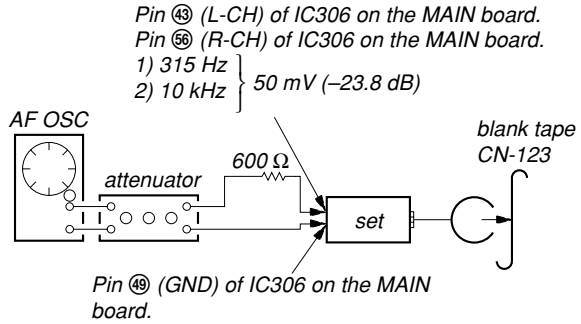
IC306 PB level: 301.5 to 338.3 mV (–8.2 to –7.2 dB) level difference between the channels: within ± 0.5 dB

Adjustment Location: TC and MAIN boards

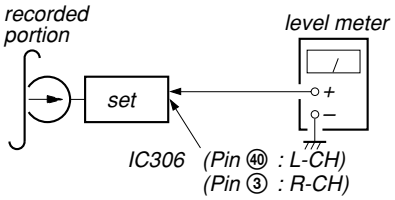
Record bias Current Adjustment DECK B

Procedure:

1. Mode: Record



2. Mode: Playback



Confirm playback the signal recorded in step 1 become adjustable limits as follows.

If these levels do not adjustable limits, adjustment the RV403 (L-CH) and RV423 (R-CH) on the TC board to repeat steps 1 and 2.

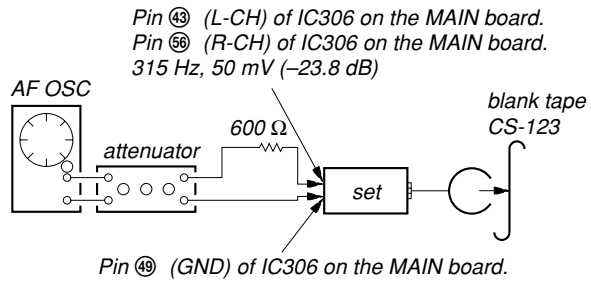
Adjustable limits: Playback output of 315 Hz to playback output of 10 kHz: 0 ± 0.5 dB

Adjustment Location: TC and MAIN boards

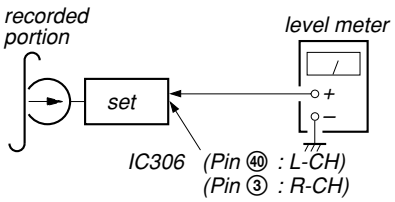
Record Level Adjustment DECK B

Procedure:

1. Mode: Record


Pin ㊸ (L-CH) of IC306 on the MAIN board.
Pin ㊻ (R-CH) of IC306 on the MAIN board.
315 Hz, 50 mV (–23.8 dB)
AF OSC
attenuator
600 Ω
set
blank tape
CS-123
Pin ㊾ (GND) of IC306 on the MAIN board.

2. Mode: Playback



Confirm playback the signal recorded in step 1 become adjustable limits as follows.

If these levels do not adjustable limits, adjustment the RV101 (L-CH) and RV201 (R-CH) on the MAIN board to repeat steps 1 and 2.

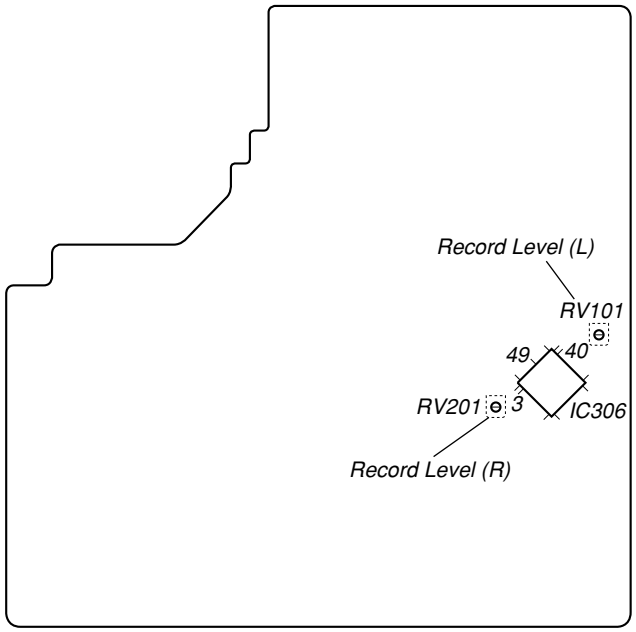
Adjustable limits:

IC306 PB level: 36.7 to 41.1 mV (–26.5 to –25.5 dB)

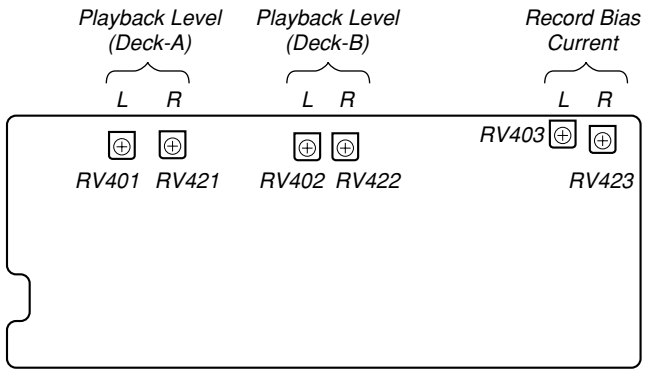
Adjustment Location: MAIN board

Adjustment and Checking Location:

– MAIN BOARD (Conductor Side) –



– TC BOARD (Component Side) –

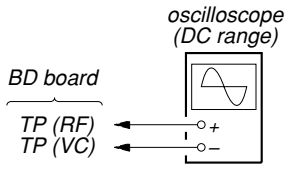


CD SECTION

Note:

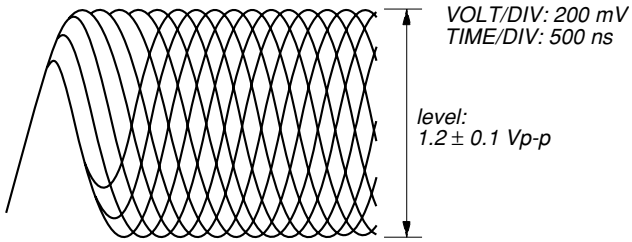
1. CD Block is basically constructed to operate without adjustment.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than 10 MΩ impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.
5. Check the focus bias check when optical block is replaced.

Focus Bias Check



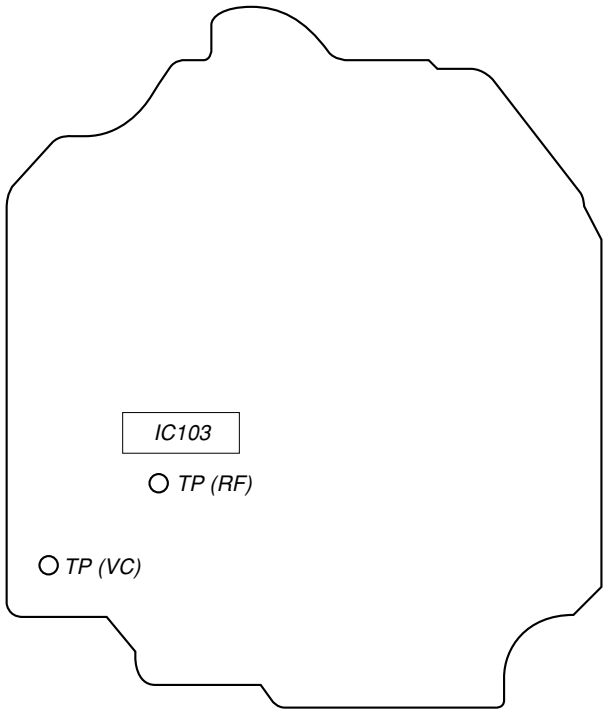
Procedure :

1. Connect oscilloscope to TP (RF) and TP (VC) on the CD board.
2. Press the I/⏻ button to turn the power on, and press the ⏏ (CD) button to open the CD disc tray.
3. Put disc (YEDS-18) in and press the ▶II (CD) button to play-back.
4. Confirm that oscilloscope waveform is as shown in the figure below. (eye pattern)
   A good eye pattern means that the diamond shape (◇) in the center of the waveform can be clearly distinguished.



Checking Location:

– CD BOARD (Conductor Side) –



SECTION 7
DIAGRAMS

7-1. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Boards:

- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ⬚← : indicates side identified with part number.
- ▒▒▒ : Pattern from the side which enables seeing.
- Abbreviation
  AUS : Australian model
  EA : Saudi Arabia model

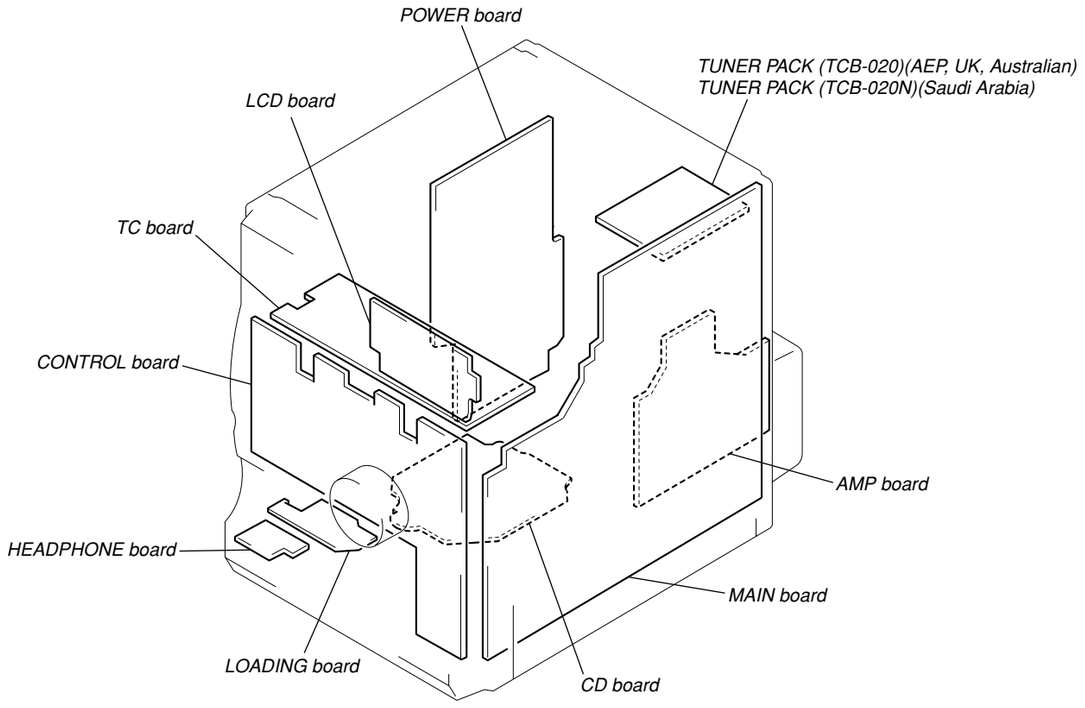
Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- B + : B+ Line.
- B − : B– Line.
- ▬ : adjustment for repair.
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : TUNER
  : TAPE PLAY (DECK A)
  : TAPE PLAY (DECK B)
  : TAPE REC
  : CD PLAY (ANALOG)
  : CD PLAY (DIGITAL)
- Abbreviation
  AUS : Australian model
  EA : Saudi Arabia model

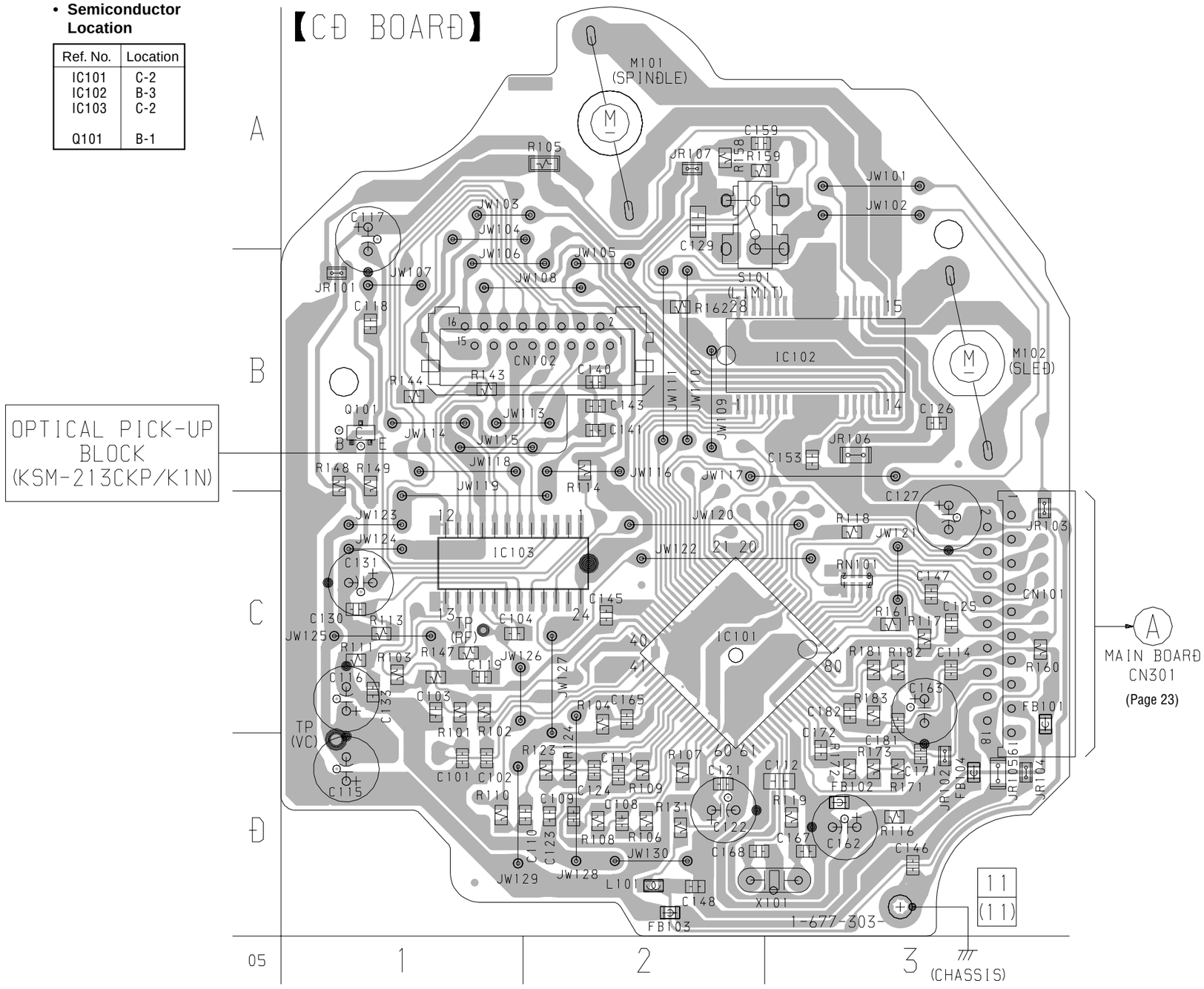
• Circuit Boards Location



7-2. PRINTED WIRING BOARD – CD Board – • See page 15 for Circuit Boards Location.

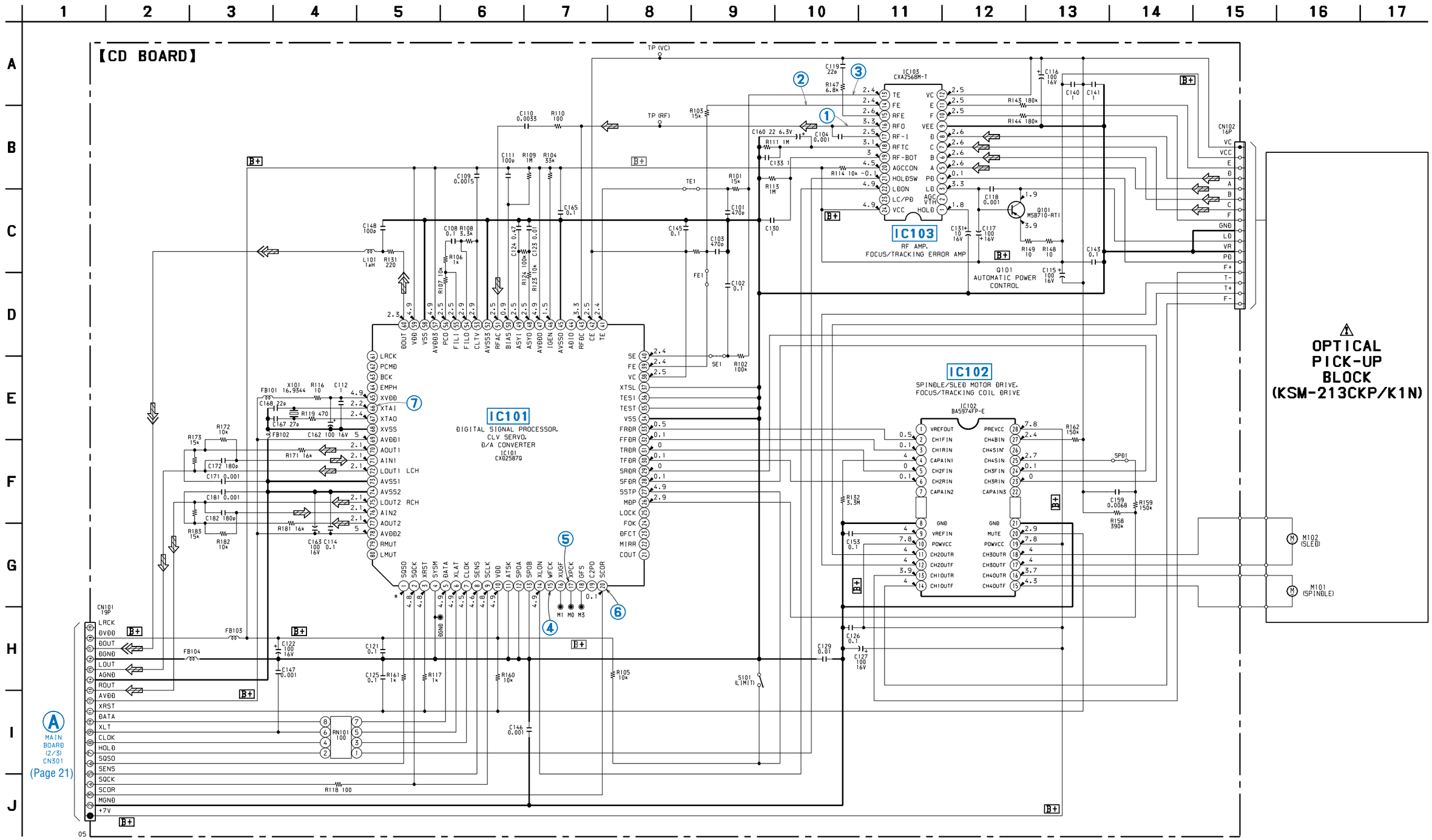
• **Semiconductor Location**

Ref. No.	Location
IC101	C-2
IC102	B-3
IC103	C-2
Q101	B-1



7-3. SCHEMATIC DIAGRAM – CD Section –

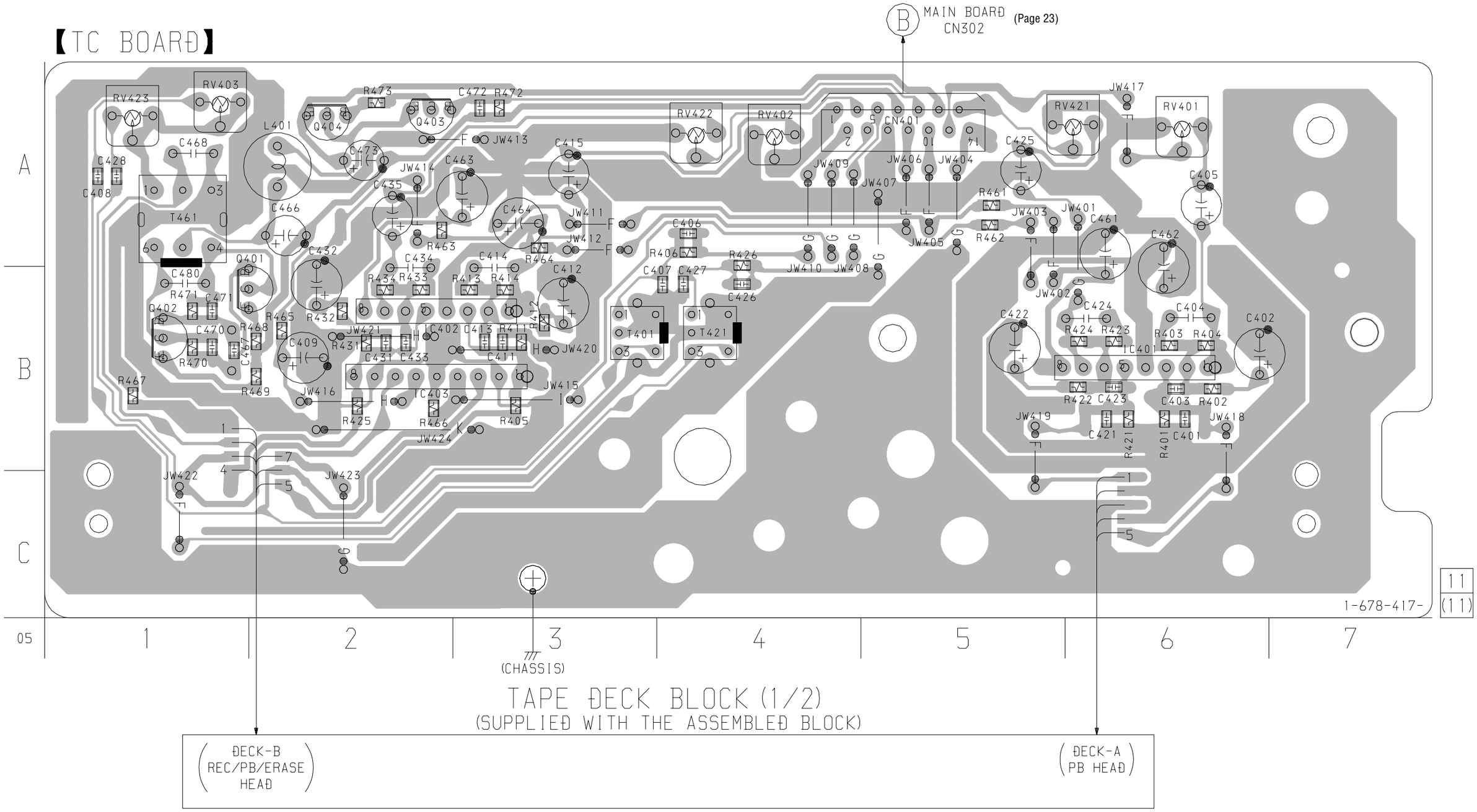
• See page 29 for Waveforms. • See page 31 for IC Block Diagrams.



- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : CD PLAY
  ∗ : Impossible to measure

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

7-4. PRINTED WIRING BOARD – TC Board – • See page 15 for Circuit Boards Location.



TAPE DECK BLOCK (1/2)
(SUPPLIED WITH THE ASSEMBLED BLOCK)

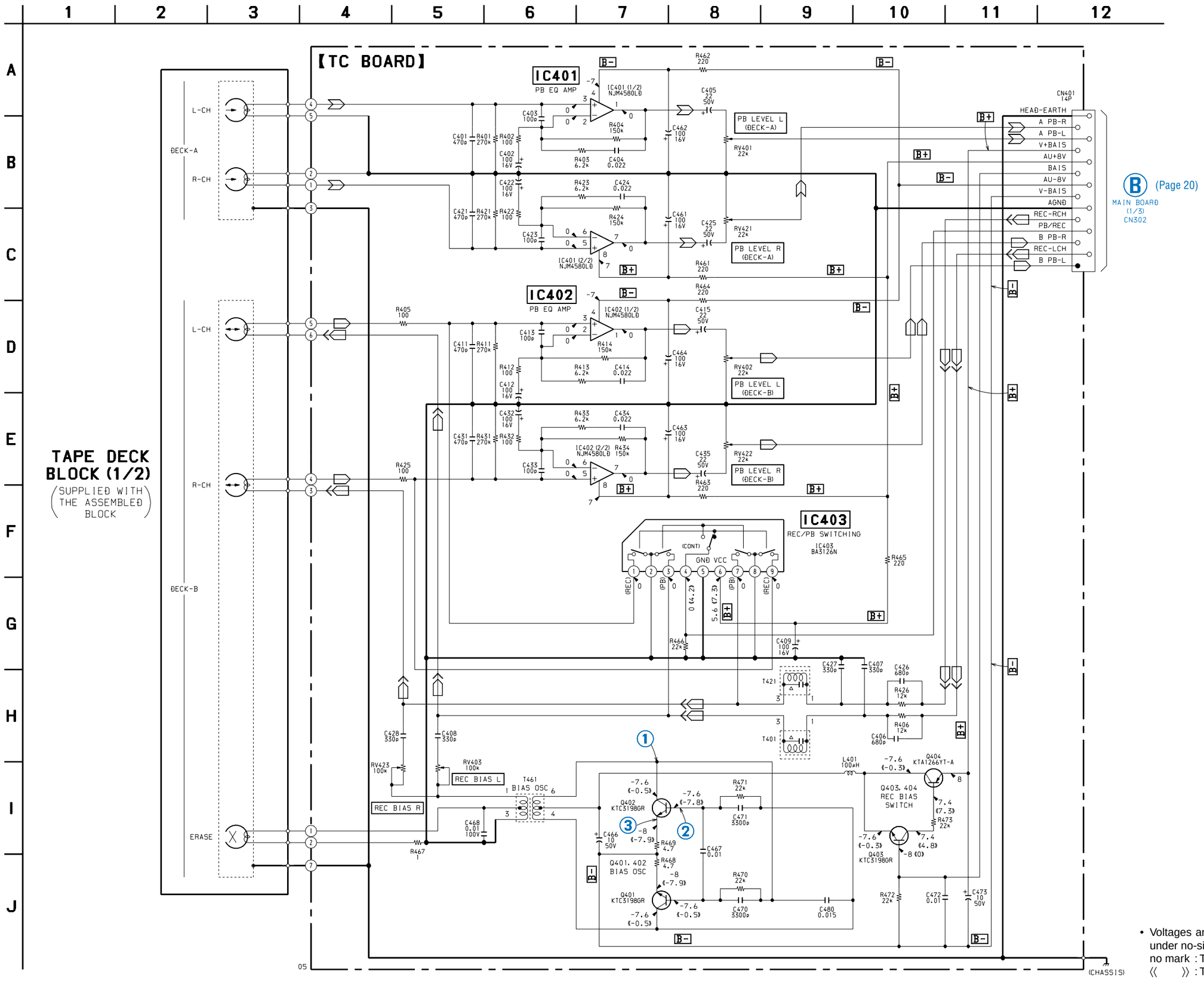
(DECK-B REC/PB/ERASE HEAD)

(DECK-A PB HEAD)

- **Semiconductor Location**

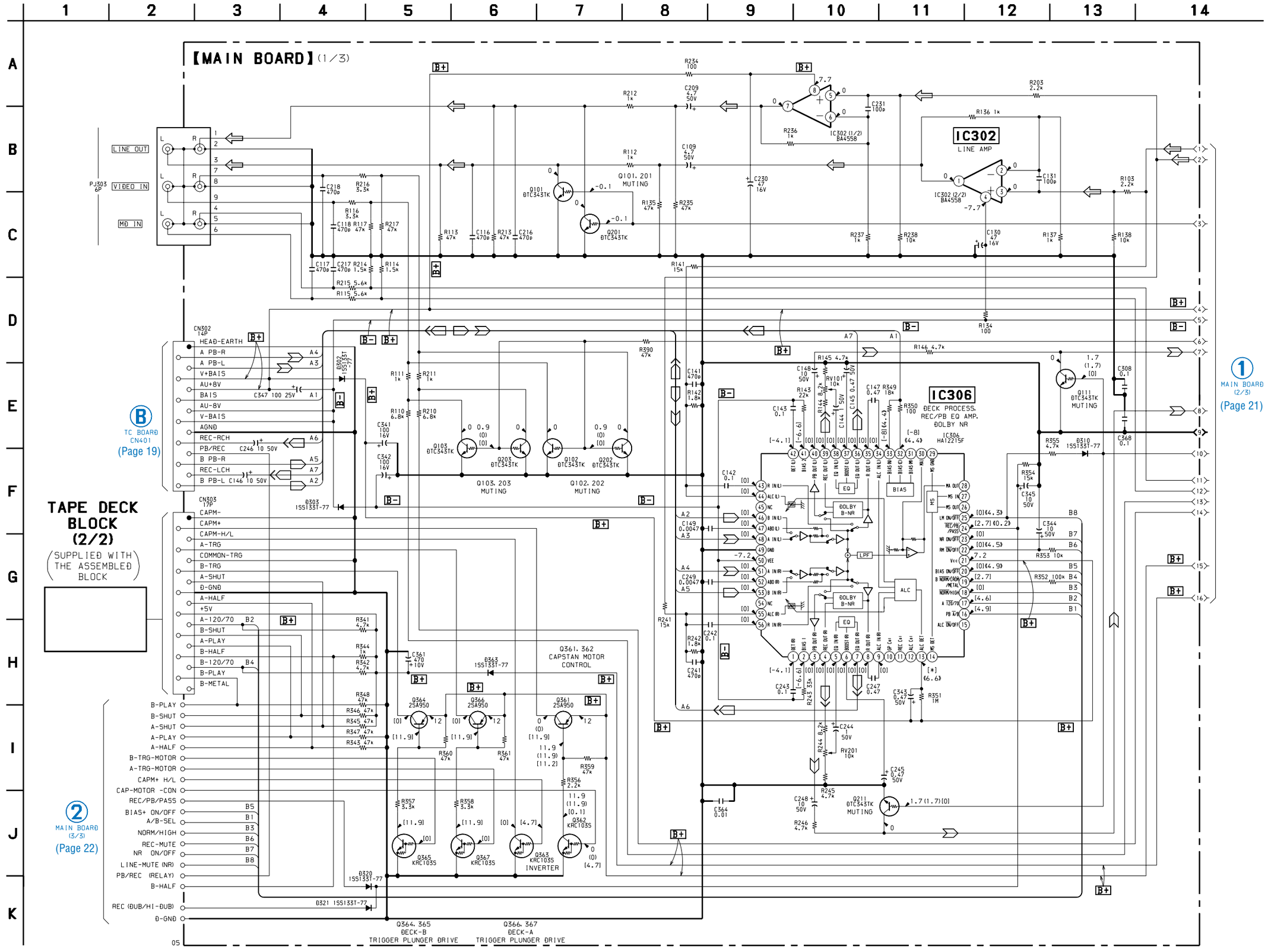
Ref. No.	Location
IC401	B-6
IC402	B-2
IC403	B-2
Q401	B-2
Q402	B-1
Q403	A-2
Q404	A-2

7-5. SCHEMATIC DIAGRAM – TC Section – • See page 29 for Waveforms.



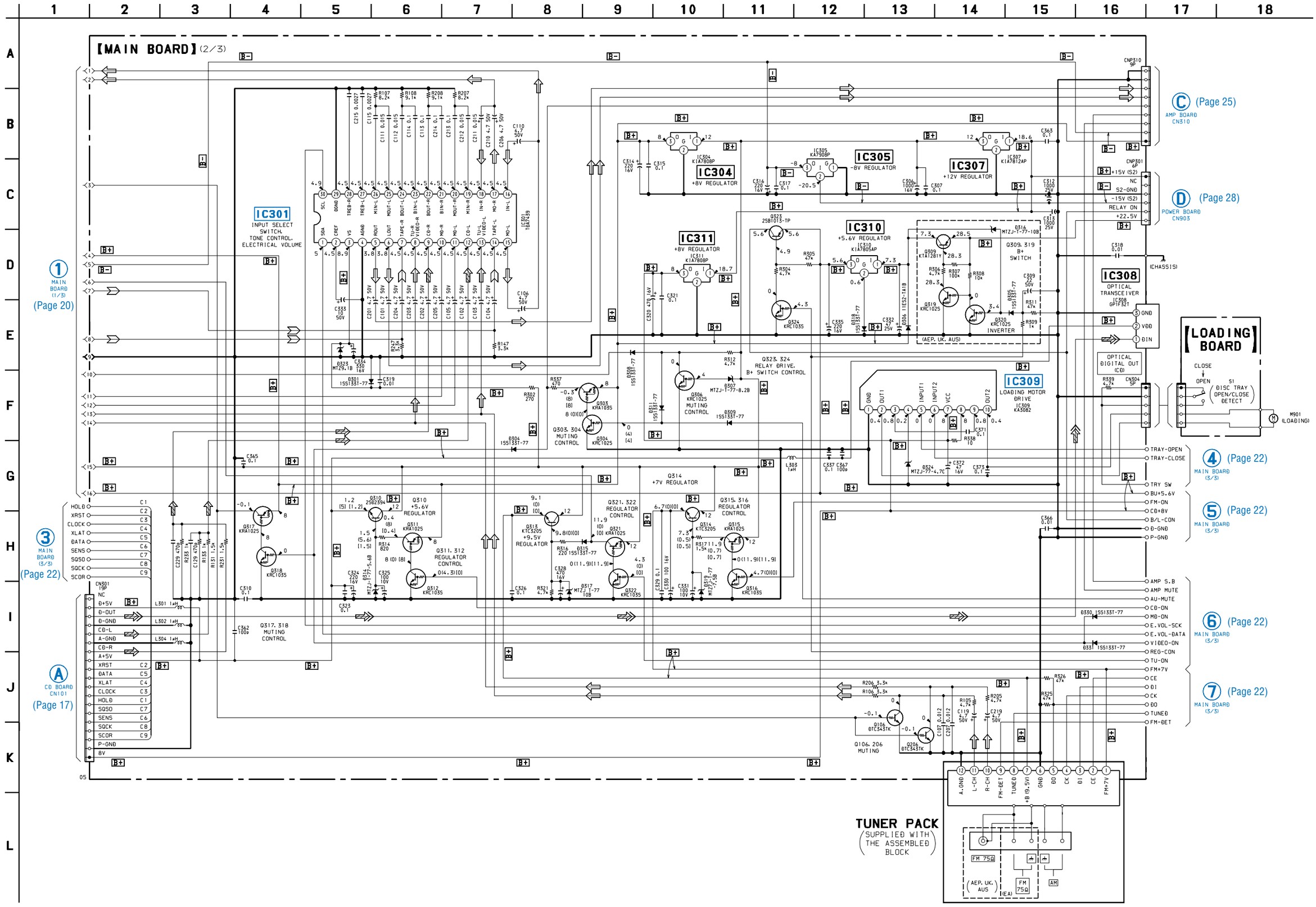
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : TAPE PLAY
  ⟨⟨ ⟩⟩ : TAPE REC

7-6. SCHEMATIC DIAGRAM – MAIN Section (1/3) –



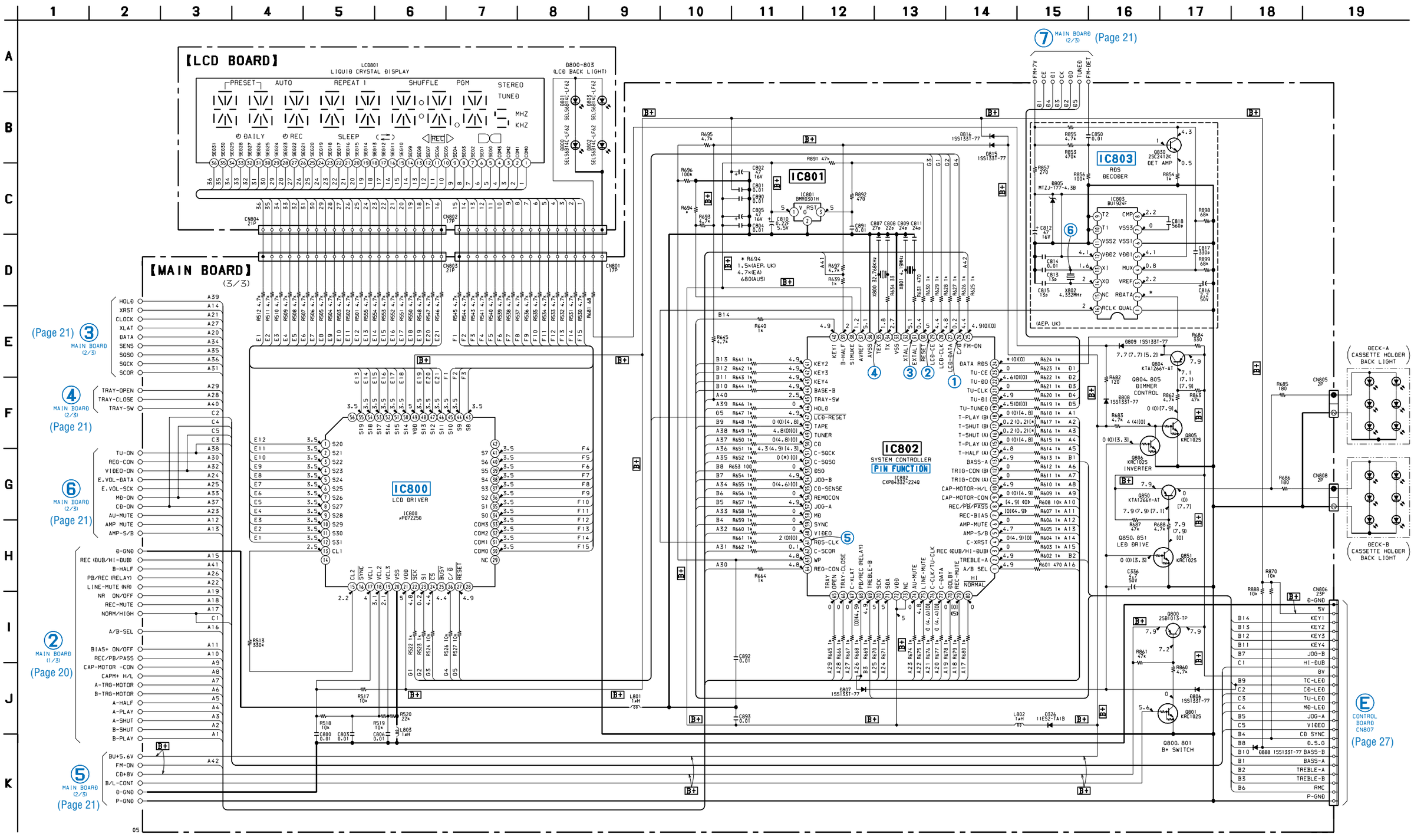
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : CD PLAY
  [ ] : TAPE PLAY
  ⟨⟨ ⟩⟩ : TAPE REC

7-7. SCHEMATIC DIAGRAM – MAIN Section (2/3) – • See page 31 for IC Block Diagrams.



- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : CD PLAY
  [ ] : TAPE PLAY
  ⟨⟨ ⟩⟩ : TAPE REC

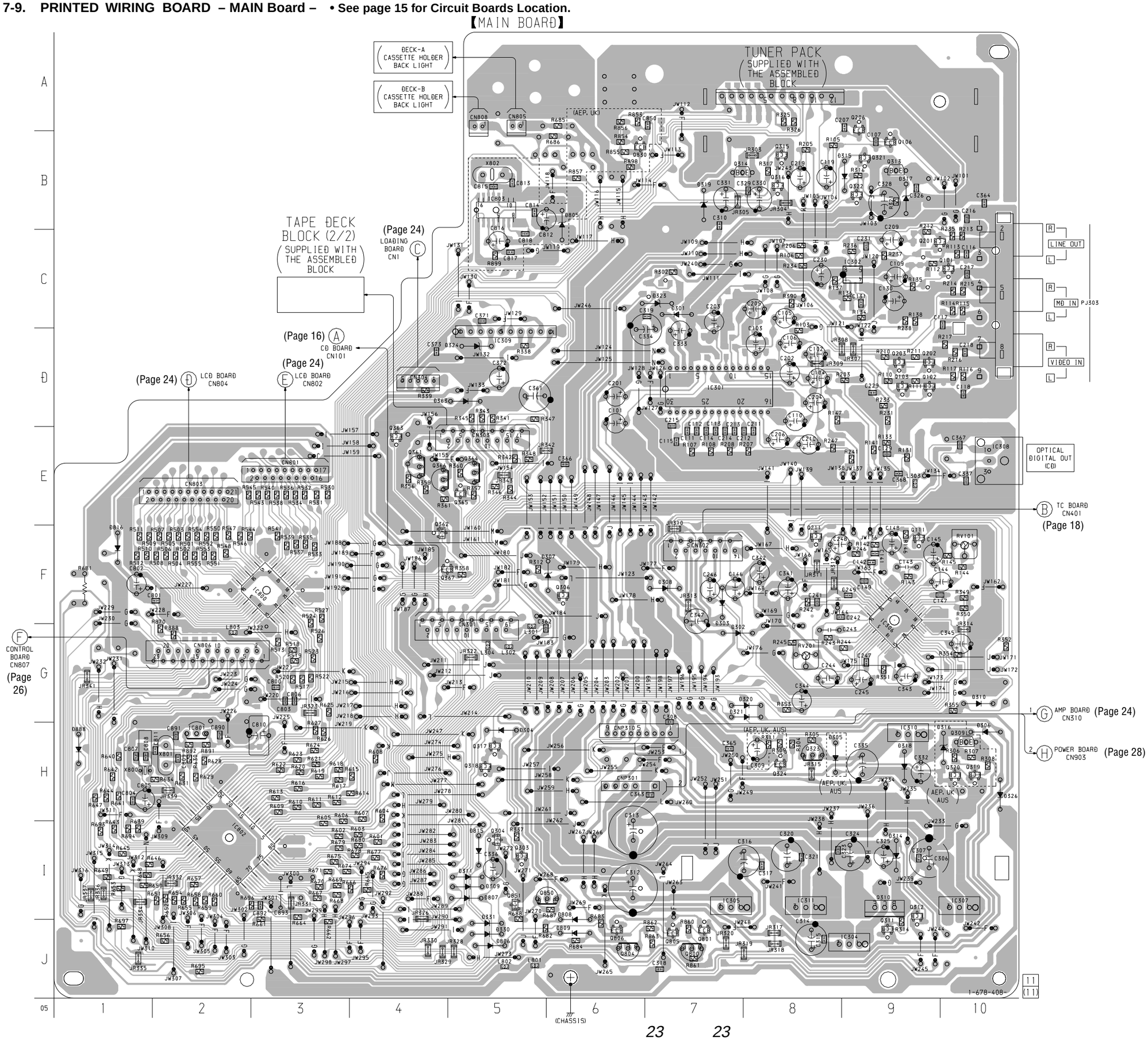
7-8. SCHEMATIC DIAGRAM – MAIN Section (3/3) – • See page 29 for Waveforms. • See page 31 for IC Block Diagrams.



- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : CD PLAY
  [ ] : TAPE PLAY
  ⟨⟨ ⟩⟩ : TAPE REC
  * : Impossible to measure

7-9. PRINTED WIRING BOARD – MAIN Board – • See page 15 for Circuit Boards Location.

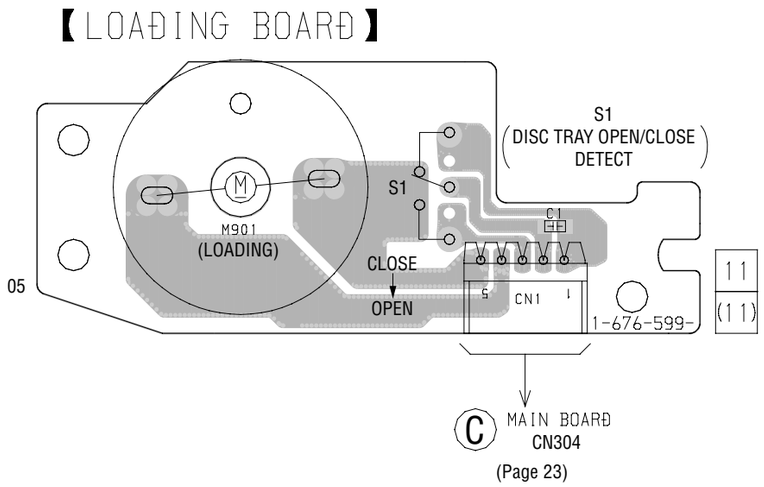
【MAIN BOARD】


DECK-A CASSETTE HOLDER BACK LIGHT
DECK-B CASSETTE HOLDER BACK LIGHT
TUNER PACK (SUPPLIED WITH THE ASSEMBLED BLOCK)
TAPE DECK BLOCK (2/2) (SUPPLIED WITH THE ASSEMBLED BLOCK)
(Page 24) LOADING BOARD CN1
(Page 16) CD BOARD CN101
(Page 24) LCD BOARD CN804
(Page 24) LCD BOARD CN802
CONTROL BOARD CN807 (Page 26)
LINE OUT
MD IN PJ303
VIDEO IN
OPTICAL DIGITAL OUT (CD)
TC BOARD CN401 (Page 18)
AMP BOARD CN310 (Page 24)
POWER BOARD CN903 (Page 28)
(CHASSIS)
1-678-408-

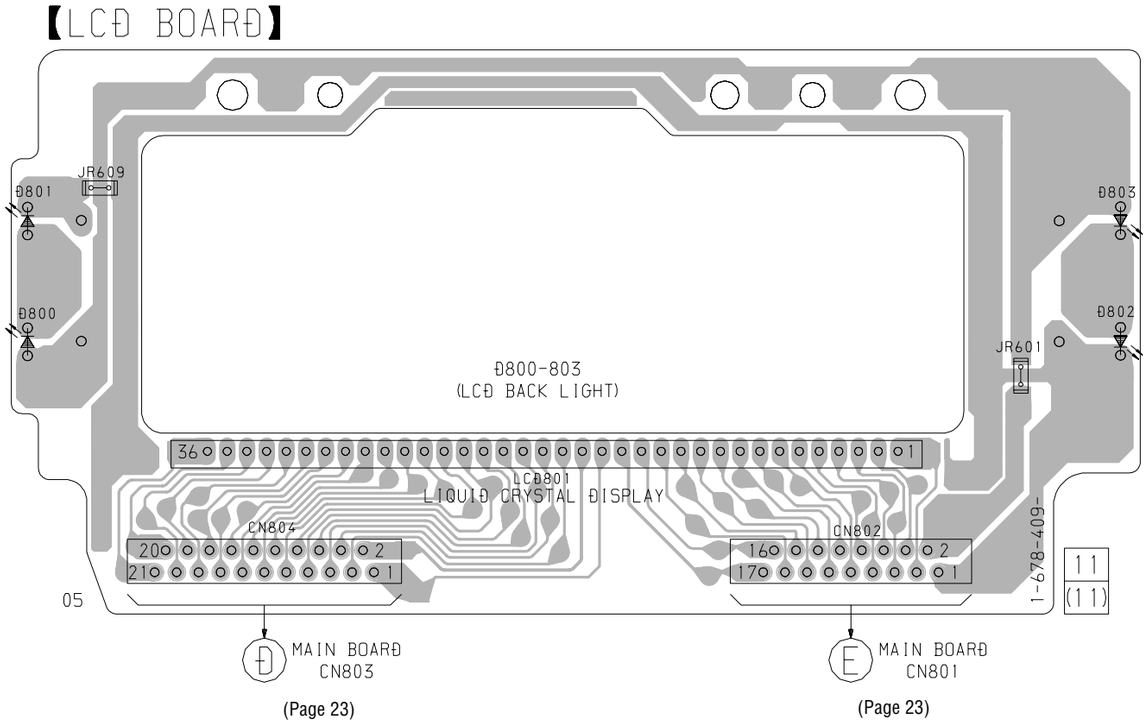
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D301	C-7	IC803	B-5
D302	G-7		
D303	F-7	Q101	C-10
D304	H-5	Q102	D-9
D305	H-8	Q103	D-9
D306	H-10	Q106	B-9
D307	F-6	Q111	F-9
D308	F-7	Q201	C-9
D309	I-5	Q202	D-9
D310	G-10	Q203	D-9
D311	I-5	Q206	A-9
D314	I-9	Q211	F-8
D315	B-9	Q303	I-5
D316	H-10	Q304	I-5
D317	B-9	Q306	F-6
D318	H-9	Q309	H-10
D319	B-7	Q310	I-9
D320	G-8	Q311	J-9
D321	G-8	Q312	I-9
D323	C-7	Q313	B-9
D324	D-5	Q314	B-7
D326	H-10	Q315	B-8
D330	J-5	Q316	B-8
D331	J-5	Q317	H-5
D363	D-5	Q318	H-5
D805	B-6	Q319	H-10
D806	J-5	Q320	H-10
D807	I-5	Q321	B-9
D808	J-6	Q322	B-9
D809	J-6	Q323	H-8
D815	I-5	Q324	H-8
D816	F-1	Q361	E-4
D888	H-1	Q362	F-4
		Q363	E-4
IC301	D-7	Q364	E-5
IC302	C-9	Q365	E-5
IC304	J-9	Q366	E-4
IC305	I-7	Q367	F-4
IC306	F-9	Q800	J-7
IC307	I-10	Q801	J-7
IC308	E-10	Q804	J-6
IC309	D-5	Q805	J-7
IC310	H-9	Q806	J-6
IC311	I-8	Q830	B-6
IC800	F-3	Q850	I-6
IC801	H-2	Q851	I-5
IC802	I-2		

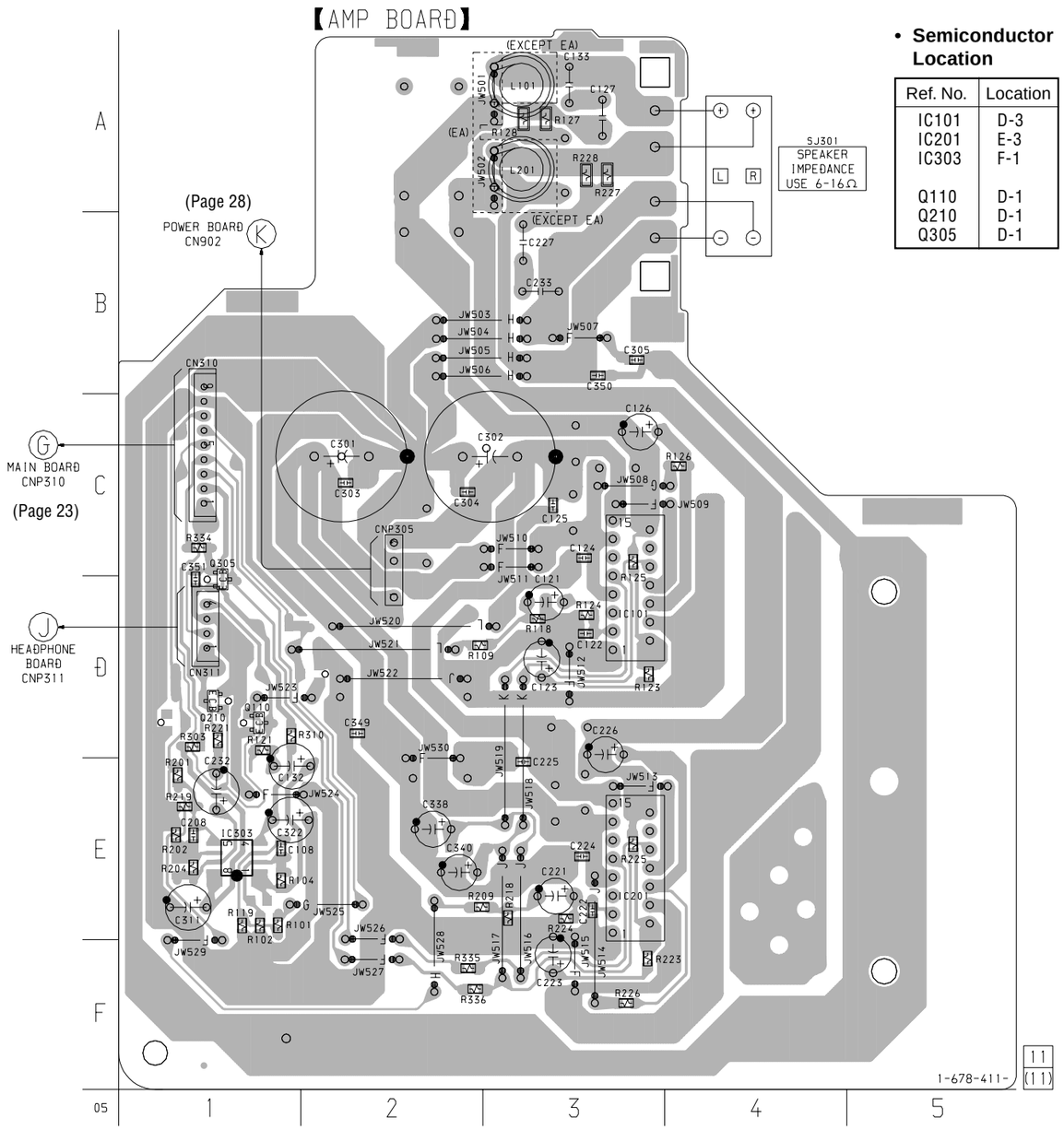
7-10. PRINTED WIRING BOARD – LOADING Board – • See page 15 for Circuit Boards Location.



7-11. PRINTED WIRING BOARD – LCD Board – • See page 15 for Circuit Boards Location.

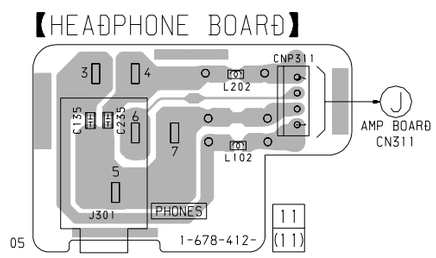


7-12. PRINTED WIRING BOARDS – AMP/HEADPHONE Boards – • See page 15 for Circuit Boards Location.

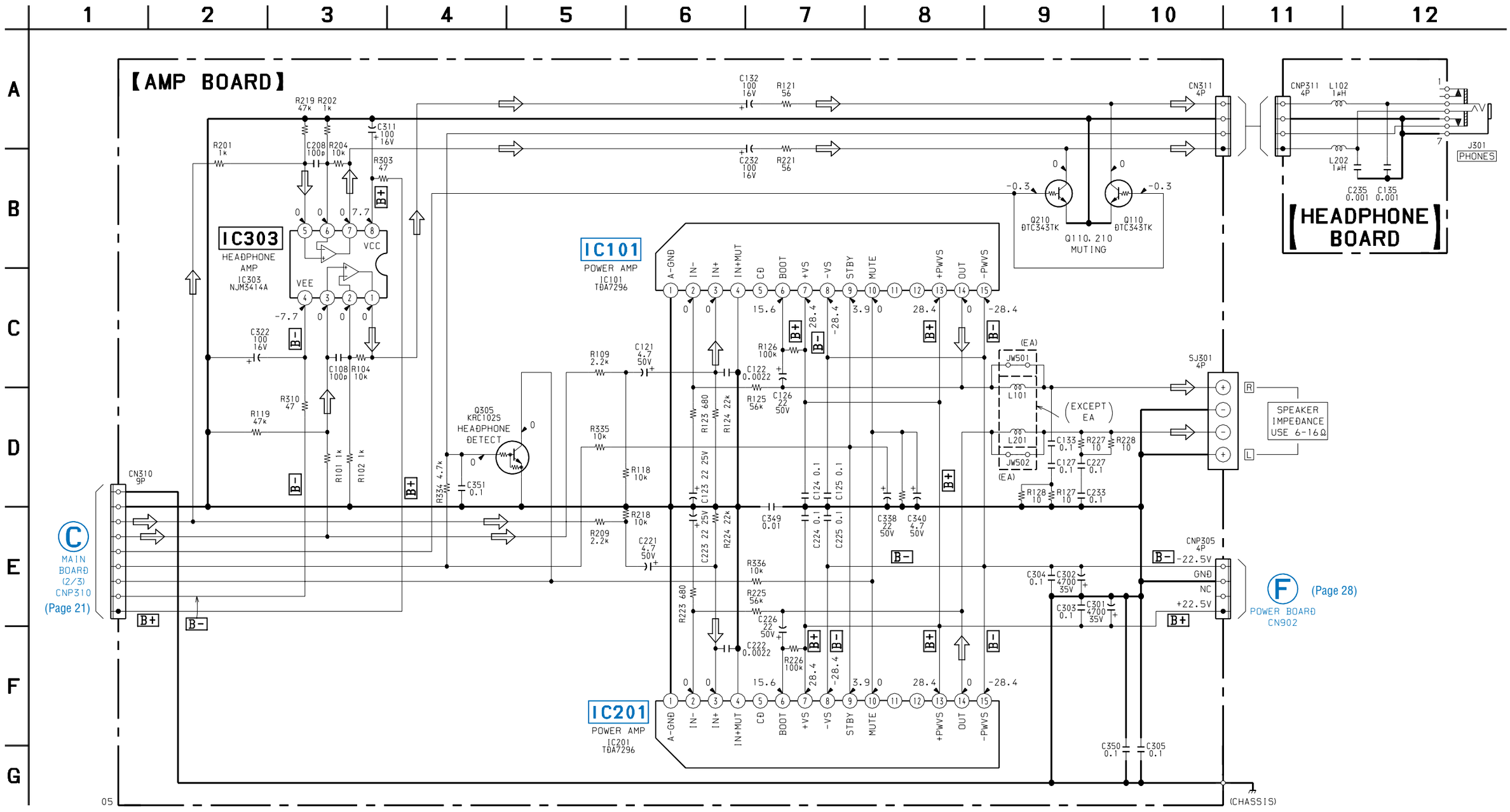


• Semiconductor Location

Ref. No.	Location
IC101	D-3
IC201	E-3
IC303	F-1
Q110	D-1
Q210	D-1
Q305	D-1



7-13. SCHEMATIC DIAGRAM – AMP Section – • See page 31 for IC Block Diagrams.

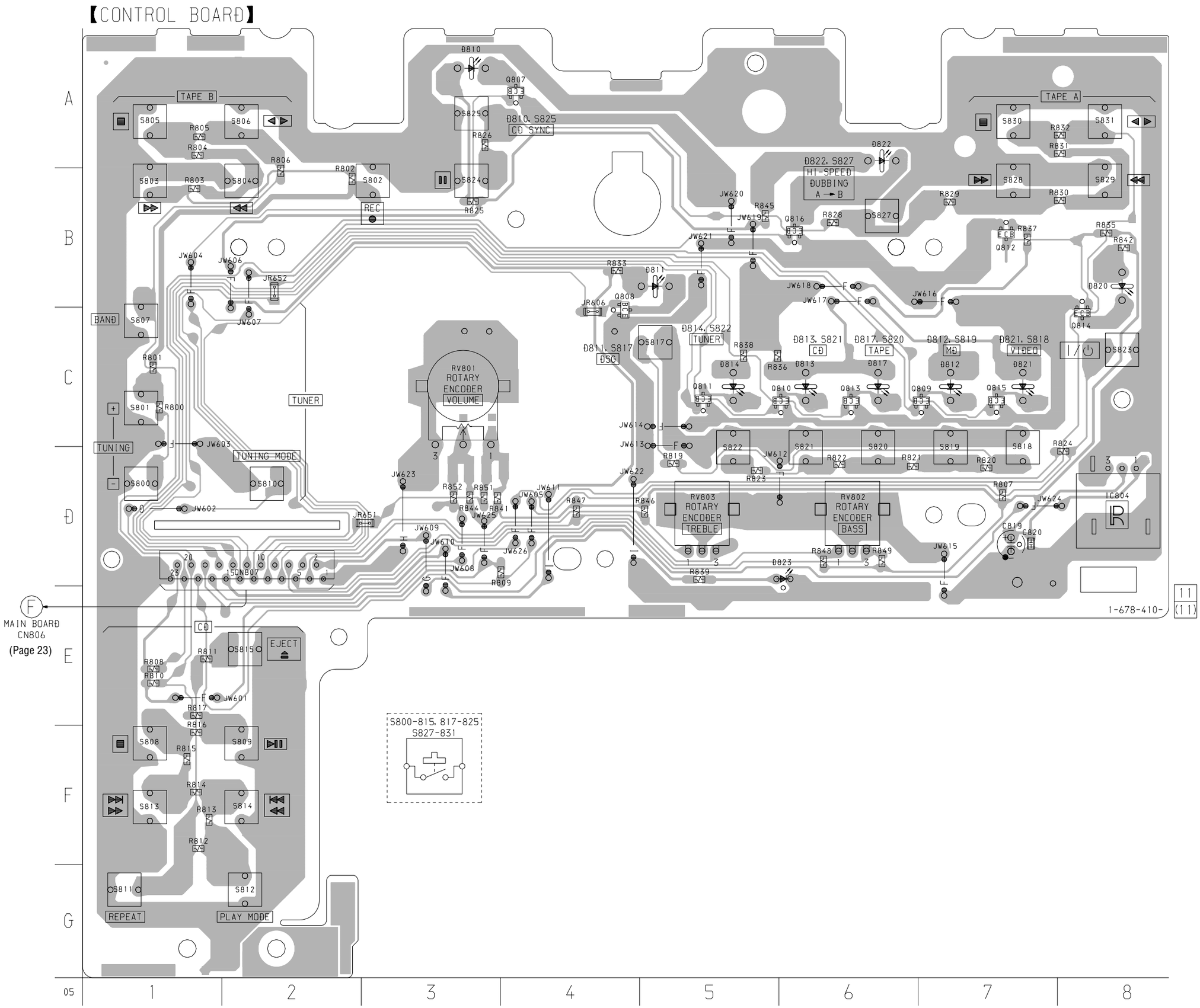


• Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : FM

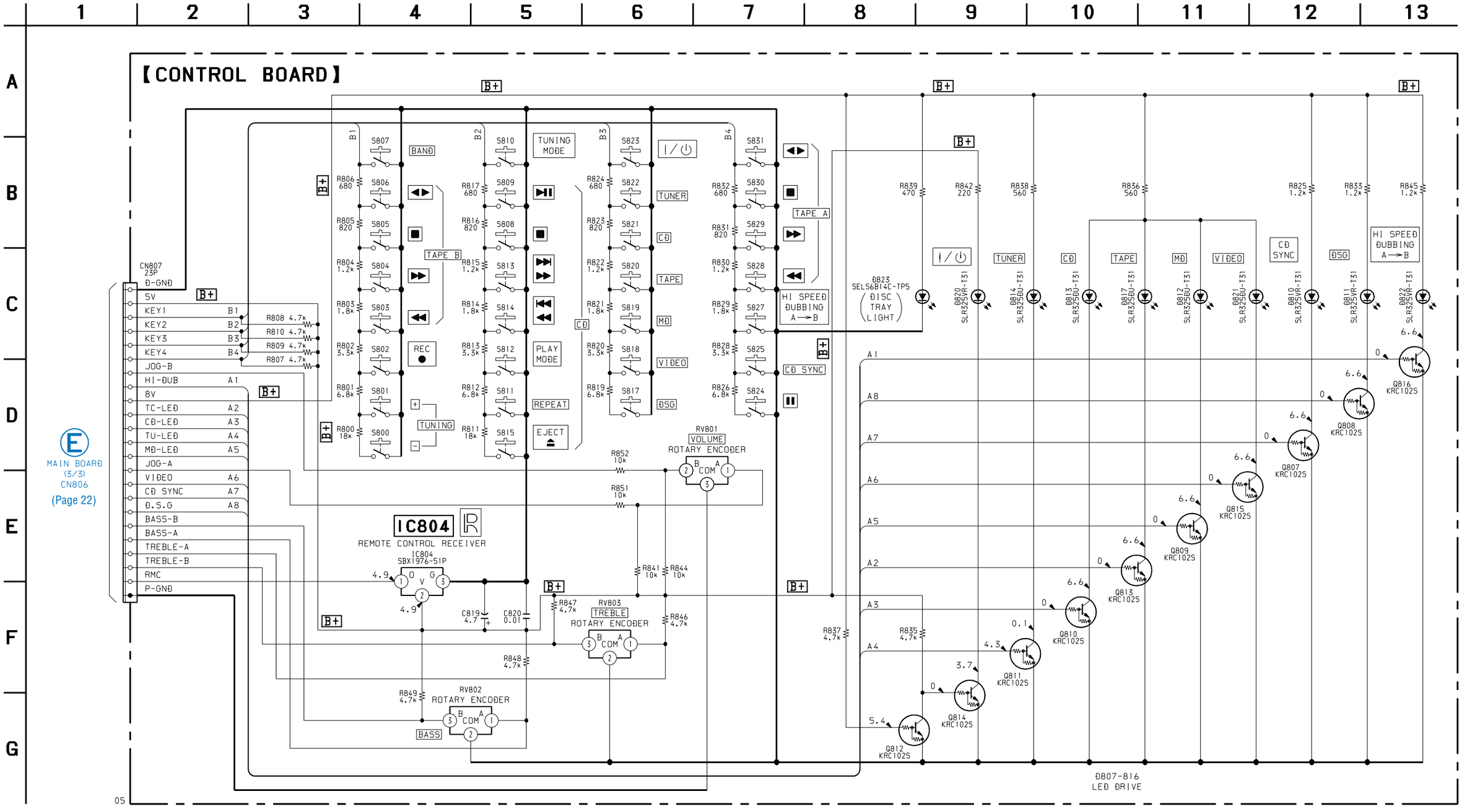
7-14. PRINTED WIRING BOARD – CONTROL Board – • See page 15 for Circuit Boards Location.

- **Semiconductor Location**

Ref. No.	Location
D810	A-3
D811	B-5
D812	C-7
D813	C-6
D814	C-5
D817	C-6
D820	B-8
D821	C-7
D822	A-6
D823	D-6
IC804	D-8
Q807	A-4
Q808	C-4
Q809	C-7
Q810	C-6
Q811	C-5
Q812	B-7
Q813	C-6
Q814	C-8
Q815	C-7
Q816	B-6



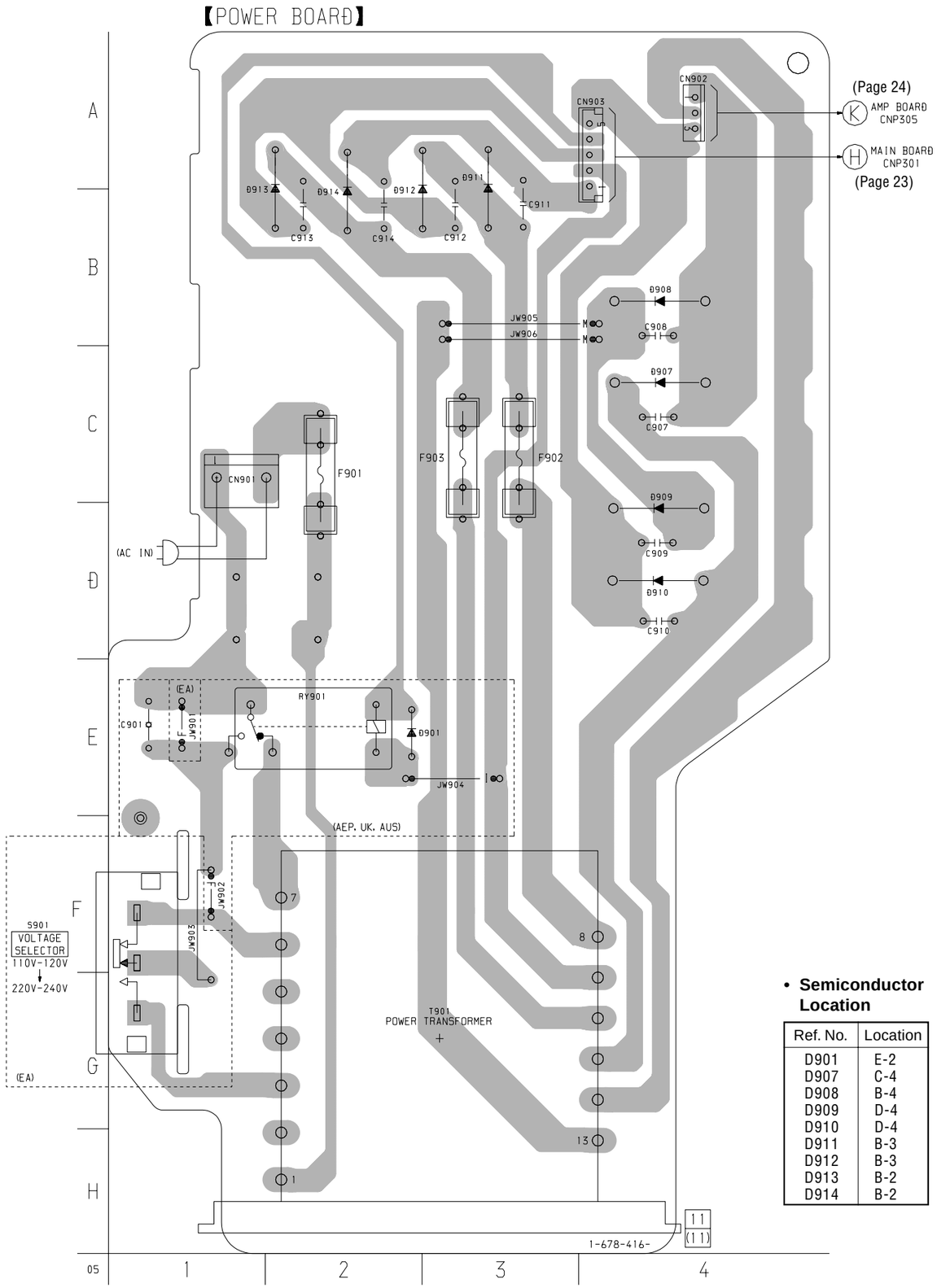
7-15. SCHEMATIC DIAGRAM – CONTROL Section –



- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM

7-16. PRINTED WIRING BOARD – POWER Board –

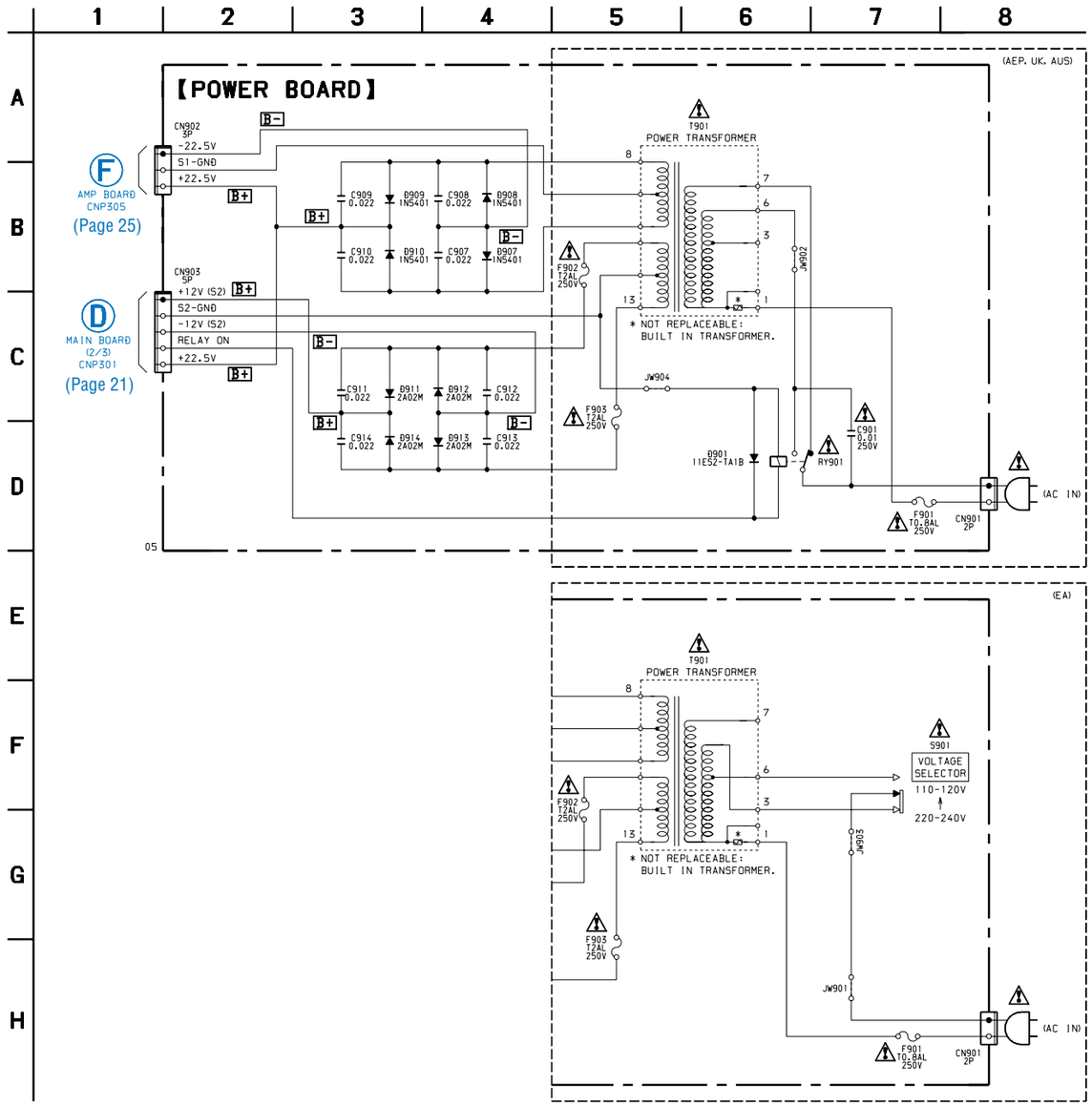
• See page 15 for Circuit Boards Location.



• **Semiconductor Location**

Ref. No.	Location
D901	E-2
D907	C-4
D908	B-4
D909	D-4
D910	D-4
D911	B-3
D912	B-3
D913	B-2
D914	B-2

7-17. SCHEMATIC DIAGRAM – POWER Section –

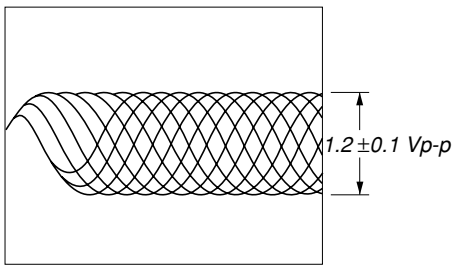


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

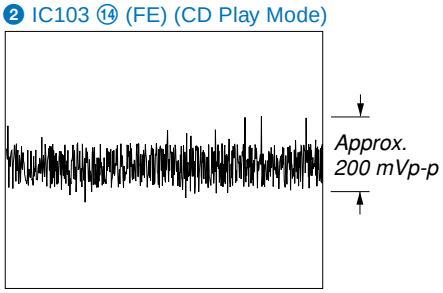
• **Waveforms**

– CD Board –

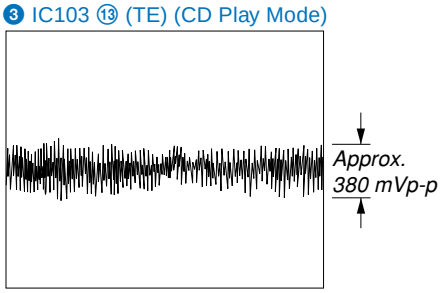
❶ IC103 ⑯ (RFO) (CD Play Mode)



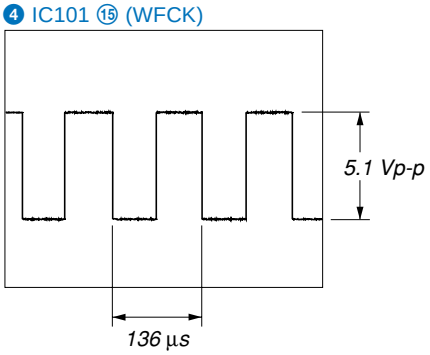
❷ IC103 ⑭ (FE) (CD Play Mode)



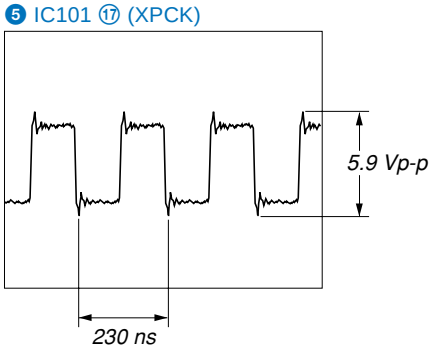
❸ IC103 ⑬ (TE) (CD Play Mode)



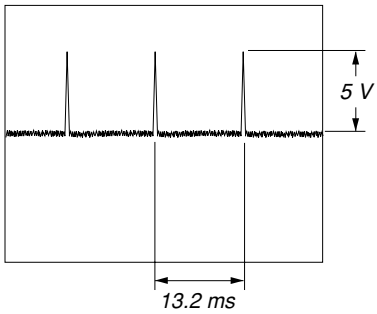
❹ IC101 ⑮ (WFCK)



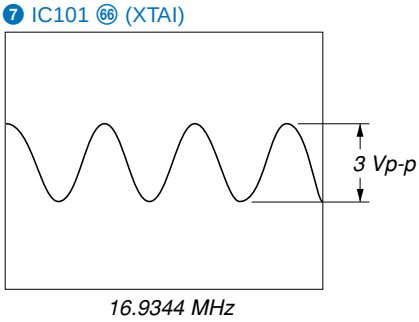
❺ IC101 ⑰ (XPCK)



❻ IC101 ⑳ (SCOR) (CD Play Mode)

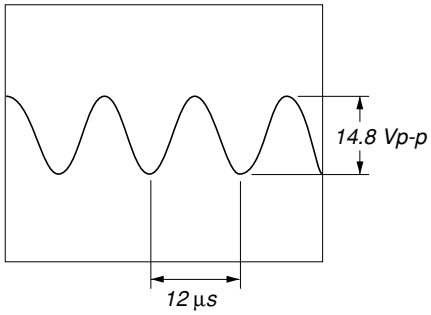


❼ IC101 ㊻ (XTAI)

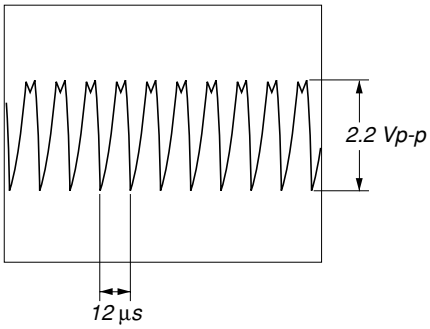


– TC Board –

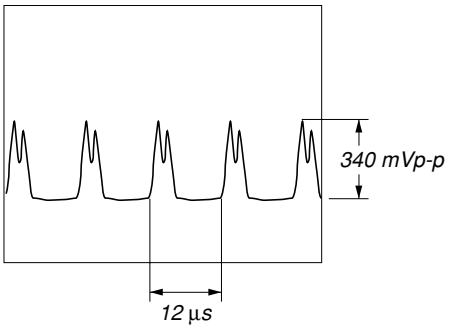
❶ Q402 collector (REC Mode)



❷ Q402 base (REC Mode)

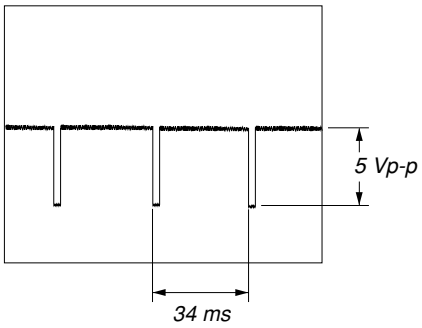


❸ Q402 emitter (REC Mode)

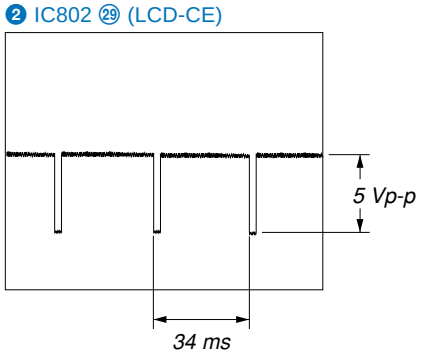


– MAIN Board –

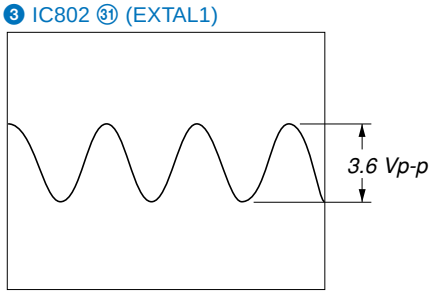
❶ IC802 ㉖ (C/D)



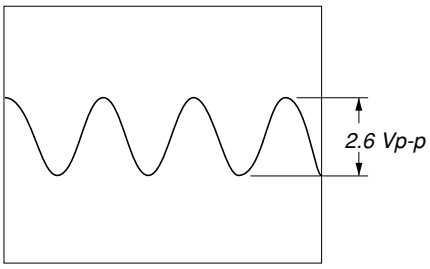
❷ IC802 ㉙ (LCD-CE)



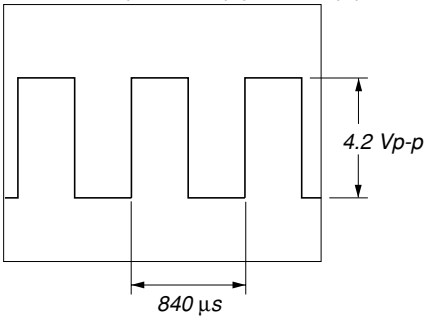
❸ IC802 ㉛ (EXTAL1)



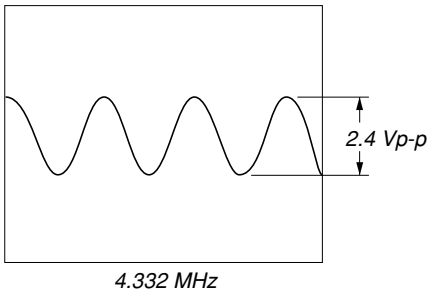
❹ IC802 ㉟ (TEX)



❺ IC802 ㊶ (RDS-CLK) (FM Mode) (AEP, UK only)



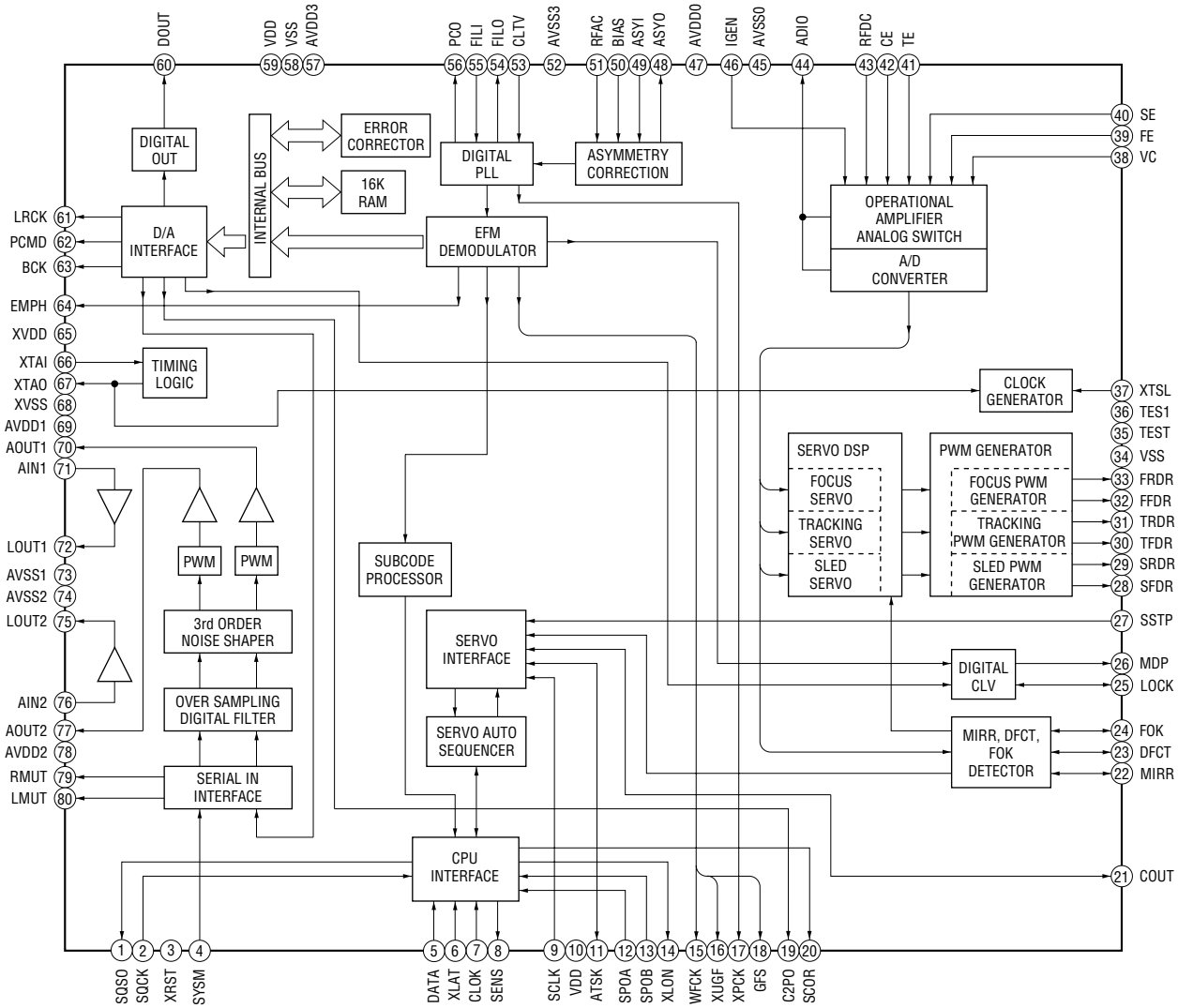
❻ IC803 ⑬ (XI) (FM Mode) (AEP, UK only)



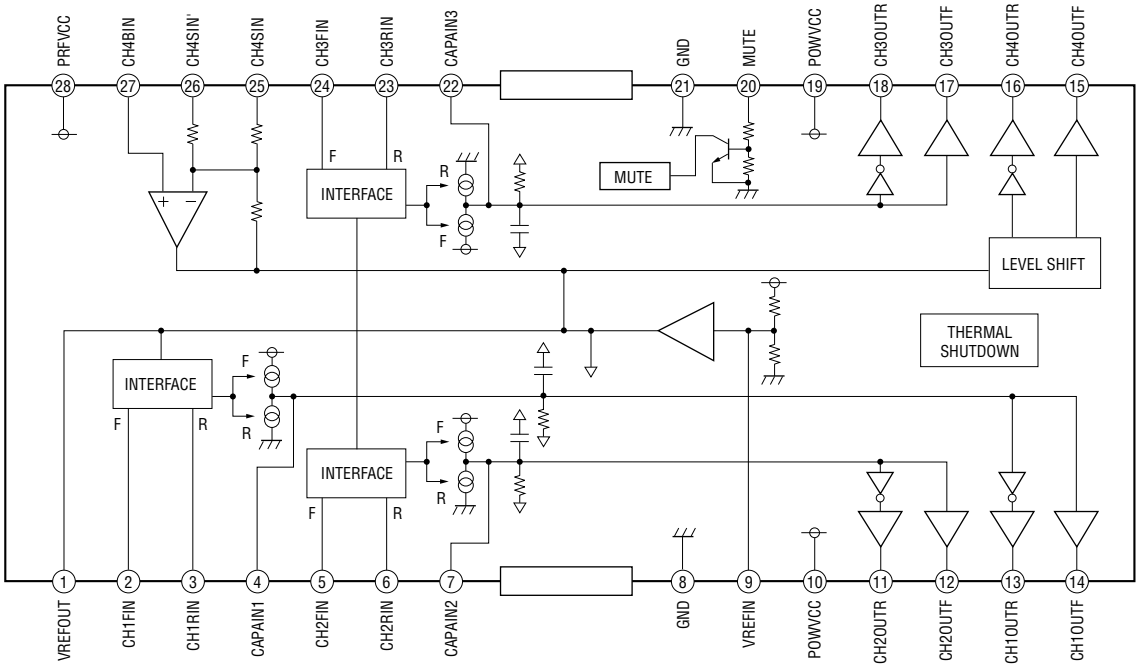
• **IC Block Diagrams**

– CD Board –

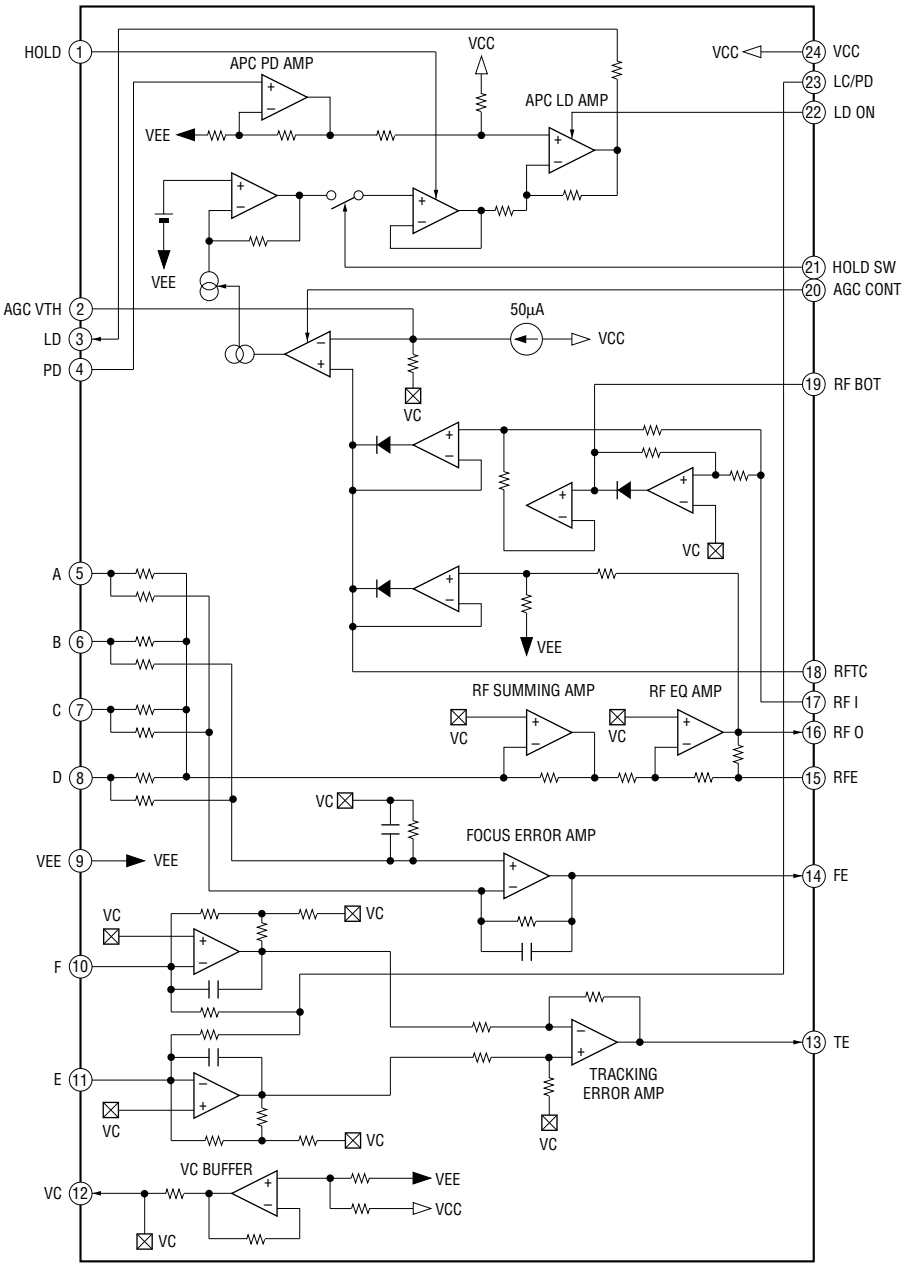
IC101 CXD2587Q



IC102 BA5974FP-E2

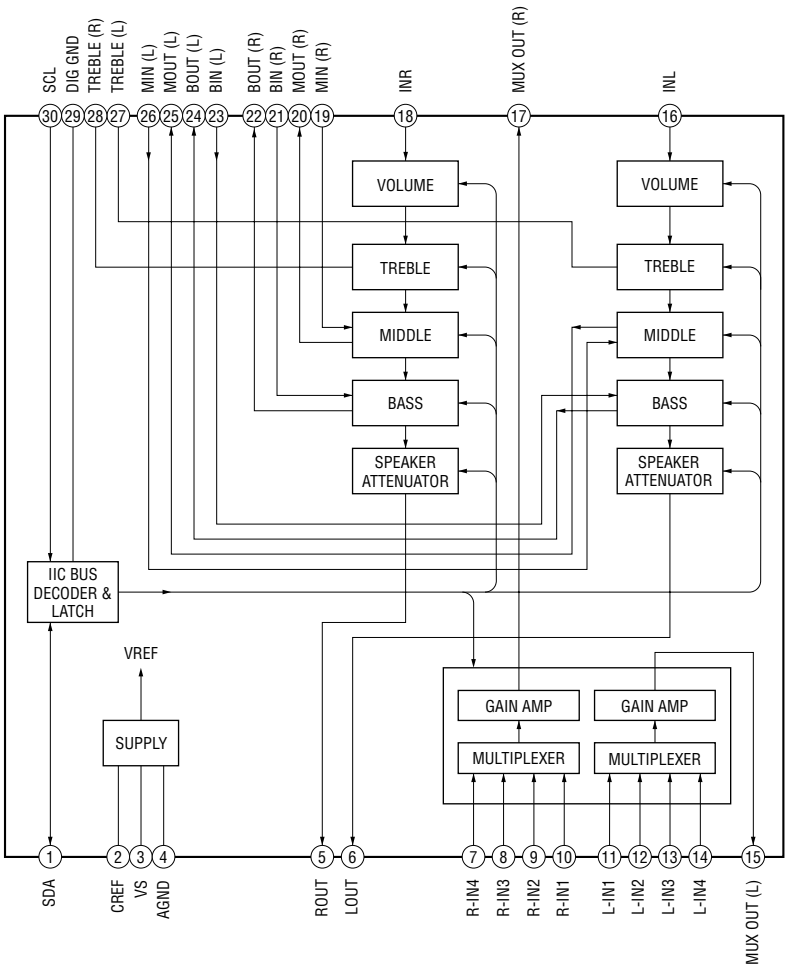


IC103 CXA2568M-T6

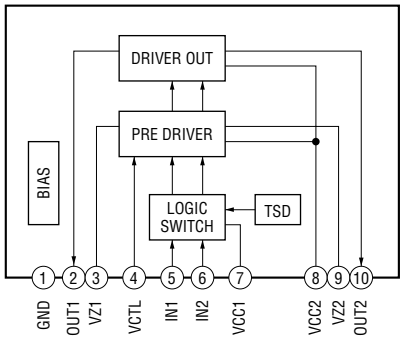


– MAIN Board –

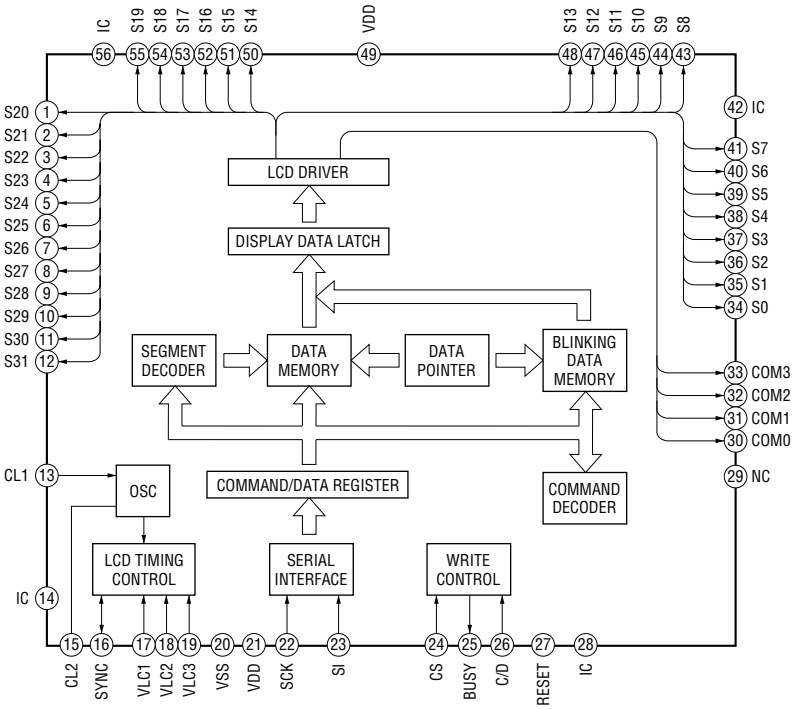
IC301 TDA7439



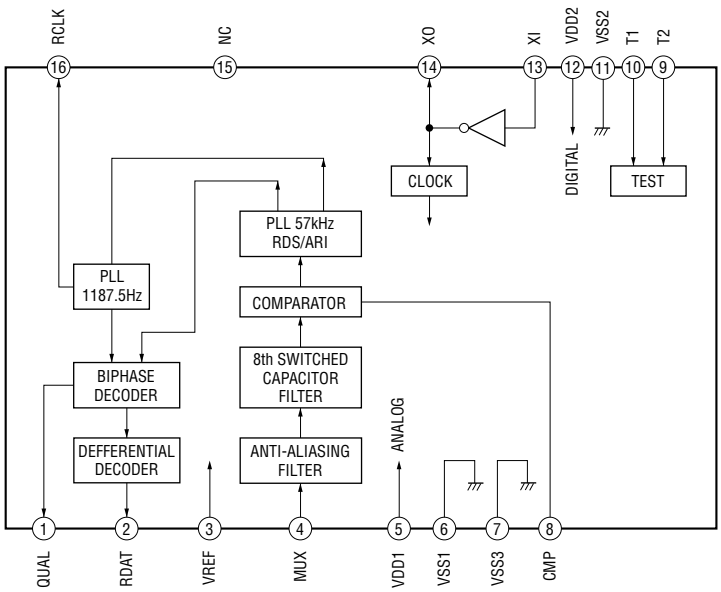
IC309 KA3082



IC800 µPD7225GB-3B7

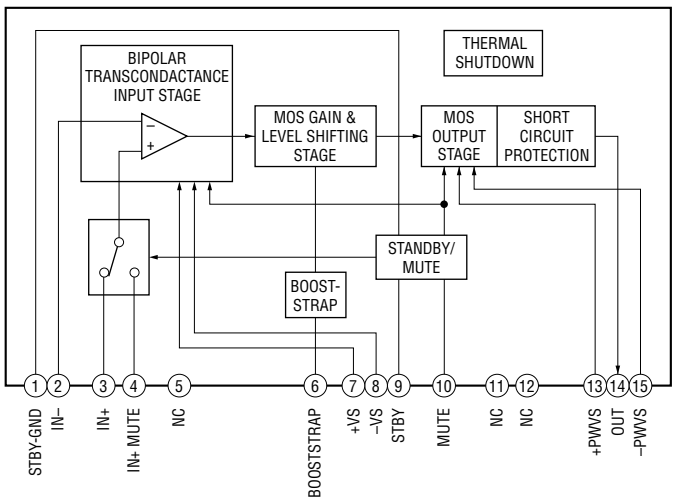


IC803 BU1924F-E2



– AMP Board –

IC101, 201 TDA7296



7-18. IC PIN FUNCTION DESCRIPTION

• MAIN BOARD IC802 CXP84332-224Q (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	$\overline{A}$/B	O	Deck-A/B selection signal output to the HA12215F (IC306) "L": deck-A, "H": deck-B
2	TREBLE A	I	Jog dial pulse input from the rotary encoder (RV803 TREBLE) (A phase input)
3	REC (DUB/HI-DUB)	O	High speed dubbing control signal output to the HA12215F (IC306)
4	C-XRST	O	Reset signal output to the CXD2587Q (IC101) and BA5974FP (IC102) "L": reset
5	AMP-S/B	O	Standby on/off control signal output to the power amplifier (IC101, 201) "L": standby mode
6	AMP-MUTE	O	Muting on/off control signal output to the power amplifier (IC101, 201) "H": muting on
7	REC-BIAS	O	Recording bias on/off selection signal output to the HA12215F (IC306) "L": bias on, "H": bias off
8	$\overline{REC}$/PB	O	Recording/playback/pass selection signal output to the HA12215F (IC306) "L": recording mode, "H": playback mode
9	CAP-MOTOR-CON	O	Capstan motor on/off control signal output terminal "H": motor on
10	CAP-MOTOR-H/L	O	High/normal speed selection signal output of the capstan motor "L": normal speed, "H": high speed
11	TRIG CON (A)	O	Deck-A side trigger plunger on/off control signal output "H": plunger on
12	TRIG CON (B)	O	Deck-B side trigger plunger on/off control signal output "H": plunger on
13	BASE A	I	Jog dial pulse input from the rotary encoder (RV802 BASE) (A phase input)
14	T-HALF (A)	I	Detection input from the deck-A cassette detect switch "L": cassette in, "H": no cassette
15	T-PLAY (A)	I	Detection input from the deck-A play detect switch "H": deck-A play
16	T-SHUT (A)	I	Shut off detection signal input from the deck-A side reel pulse detector
17	T-SHUT (B)	I	Shut off detection signal input from the deck-B side reel pulse detector
18	T-PLAY (B)	I	Detection input from the deck-B play detect switch "H": deck-B play
19	TU-TUNED	I	Tuning detection signal input from the tuner pack "L": tuned
20	TU-DATA	O	PLL serial data output to the tuner pack
21	TU-CLK	O	PLL serial data transfer clock signal output to the tuner pack
22	TU-COUNT	I	PLL serial data input from the tuner pack
23	TU-CE	O	PLL chip enable signal output to the tuner pack
24	RDS-DATA	I	RDS serial data input from the RDS decoder (IC803) (Used for the AEP, UK and North European models only)
25	RDS-ON	O	Power supply on/off control signal output of the tuner pack (+7V) and RDS decoder (IC803) (Used for the AEP, UK and North European models only)
26	C/D	O	Command data output to the liquid crystal display driver (IC800)
27	LCD DATA	O	Serial data output to the liquid crystal display driver (IC800)
28	LCD CLK	O	Serial data transfer clock signal output to the liquid crystal display driver (IC800)
29	LCD CE	O	Chip enable signal output to the liquid crystal display driver (IC800)
30	$\overline{RESET}$	I	System reset signal input from the reset signal generator (IC801) "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
31	EXTAL1	I	Main system clock input terminal (4.19 MHz)
32	XTAL1	O	Main system clock output terminal (4.19 MHz)
33	VSS	—	Ground terminal
34	TX	O	Sub system clock output terminal (32.768 kHz)
35	TEX	I	Sub system clock input terminal (32.768 kHz)
36	AVSS	—	Ground terminal (for A/D converter)
37	AVREF	I	Reference voltage (+5V) input terminal (for A/D converter)
38	SIMUKE	I	Destination setting terminal (A/D input)
39	B-HALF	I	Detection input from the deck-B half detect switch "L": cassette in, "H": no cassette
40	KEY1	I	Key input terminal (A/D input) S800 to S807 (TUNING –/+, REC ●, TAPE B ▶▶/◀◀/■/◀▶, TUNER BAND keys input)

Pin No.	Pin Name	I/O	Description
41	KEY2	I	Key input terminal (A/D input) S808 to S815 (CD ■/►II, TUNING MODE, REPEAT, PLAY MODE,CD ►►I ►►/I◄◄ ◄◄/≜ keys input)
42	KEY3	I	Key input terminal (A/D input) S817 to S823 (DSG, VIDEO, MD, TAPE, CD, TUNER, I/⏻ keys input)
43	KEY4	I	Key input terminal (A/D input) S824 to S831 (II, CD SYNC, HI-SPEED DUBBING, TAPE A ►►/◄◄/■/◄► keys input)
44	BASE B	I	Jog dial pulse input from the rotary encoder (RV802 BASE) (B phase input)
45	TRAY-SW	I	Disc tray position detect switch (S1) input terminal (A/D input) "L": open position, "M": close position, "H": moving
46	HOLD	O	Automatic power control hold signal output to the CXA2568M (IC103)
47	LCD-XRST	O	Reset signal output to the liquid crystal display driver (IC800) "L": reset
48	TAPE	O	Power supply on/off control signal output of the cassette holder back light LED drive signal output of the TAPE indicator (D817) "H": back light on (LED on)
49	TUNER	O	Power supply on/off control signal output of the tuner pack (+9.5V) LED drive signal output of the TUNER indicator (D814) "H": tuner power on (LED on)
50	CD	O	Power supply on/off control signal output of the CD block (+5V) LED drive signal output of the CD indicator (D813) "H": CD power on (LED on)
51	C-SQCK	O	Subcode Q data reading clock signal output to the CXD2587Q (IC101)
52	C-SQSO	I	Subcode Q data input from the CXD2587Q (IC101)
53	DSG	O	LED drive signal output of the DSG (Dynamic Sound Generator) indicator (D811) "H": LED on
54	JOG-B	I	Jog dial pulse input from the rotary encoder (RV801 VOLUME) (B phase input)
55	CD-SENS	I	Internal status detection monitor input from the CXD2587Q (IC101)
56	REMOCON	I	Sircs remote control signal input from the remote control receiver (IC804)
57	JOG-A	I	Jog dial pulse input from the rotary encoder (RV801 VOLUME) (A phase input)
58	MD	O	MD function control signal output terminal LED drive signal output of the MD indicator (D812) "H": MD (LED on)
59	SYNC	O	LED drive signal output of the CD SYNC indicator (D810) "H": LED on
60	VIDEO	O	VIDEO function control signal output terminal LED drive signal output of the VIDEO indicator (D821) "H": VIDEO (LED on)
61	RDS-CLK	I	Serial data reading clock signal input from the RDS decoder (IC803) (Used for the AEP, UK and North European models only)
62	C-SCOR	I	Subcode sync (S0+S1) detection signal input from the CXD2587Q (IC101)
63	WP	I	Wake up control signal input terminal
64	REG-CON	O	Main system power supply on/off control signal output terminal "H": power on
65	TRAY-OPEN	O	Motor drive signal output to the disc tray open/close motor drive (IC309) "H" active *1
66	TRAY-CLOSE	O	Motor drive signal output to the disc tray open/close motor drive (IC309) "H" active *1
67	C-XLAT	O	Serial data latch pulse output to the CXD2587Q (IC101)
68	REC/$\overline{PB}$	O	Recording/playback selection signal output to the REC/PB switching (IC403) "L": playback mode, "H": recording mode
69	TREBLE B	I	Jog dial pulse input from the rotary encoder (RV803 TREBLE) (B phase input)
70	SCK	O	Serial data transfer clock signal output to the TDA7439 (IC301)
71	SDA	O	Serial data output to the TDA7439 (IC301)
72	VDD	—	Power supply terminal (+5V)

*1 Disc tray open/close motor (M901) control

Mode / Terminal	Stop	Table In	Table Out	Brake
TRAY-OPEN (pin ⑥⑤)	"L"	"L"	"H"	"H"
TRAY-CLOSE (pin ⑥⑥)	"L"	"H"	"L"	"H"

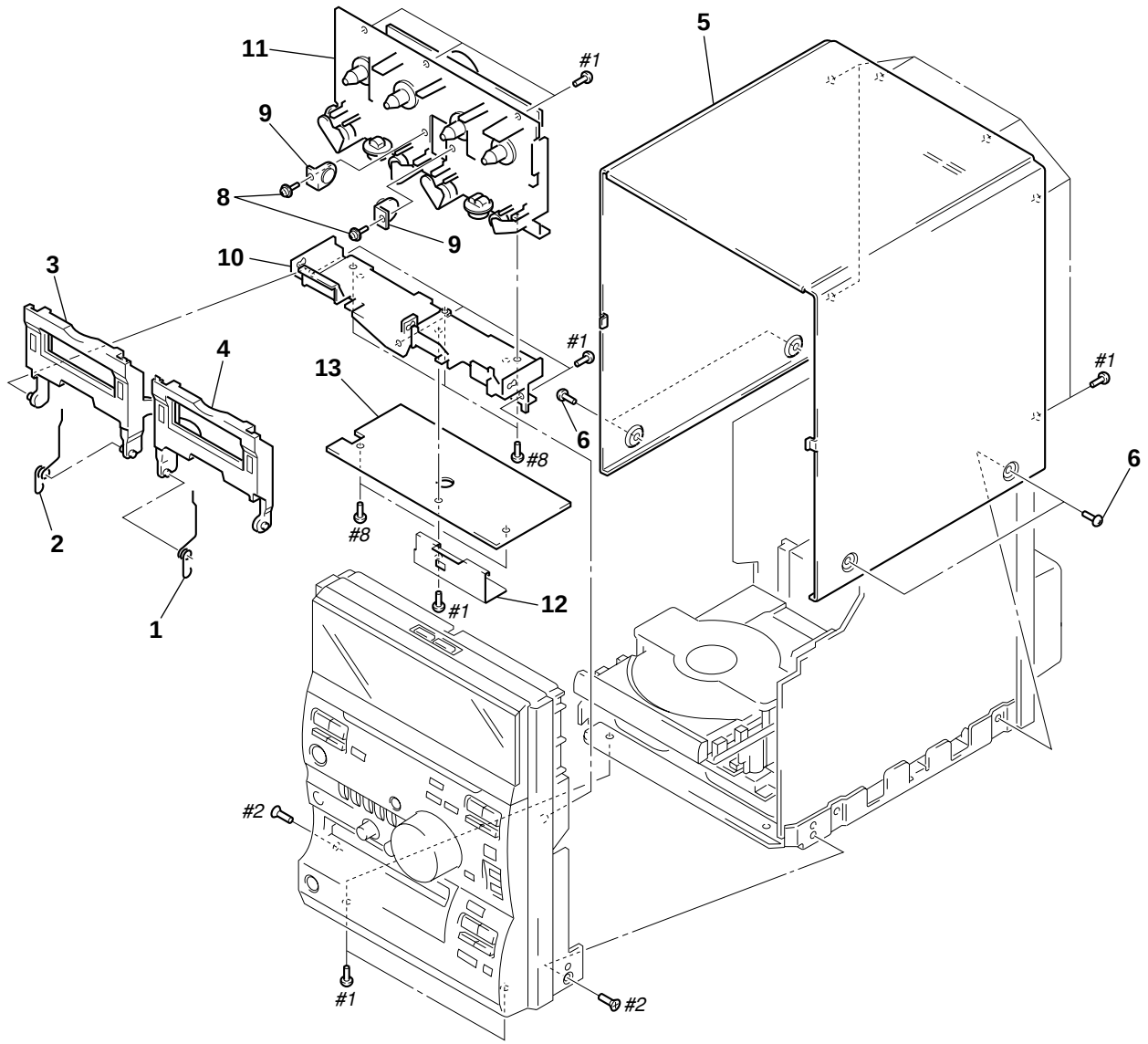
Pin No.	Pin Name	I/O	Description
73	NC	—	Connected to power supply (+5V)
74	AU MUTE	O	Muting on/off control signal output terminal "H": muting on
75	LINE MUTE	O	Line muting on/off selection signal output to the HA12215F (IC306) "L": tape playback, "H": recoding
76	C-CLK	O	Serial data transfer clock signal output to the CXD2587Q (IC101)
77	C-DATA	O	Serial data output to the CXD2587Q (IC101)
78	DOLBY	O	Dolby NR on/off selection signal output to the HA12215F (IC306) "L": dolby off, "H": dolby on
79	REC-MUTE	O	Recording muting on/off selection signal output to the HA12215F (IC306) "L": muting off, "H": muting on
80	HI/$\overline{\text{NORMAL}}$	O	Normal/high speed selection signal output to the HA12215F (IC306) LED drive signal output of the HI-SPEED DUBBING indicator (D822) "L": normal speed, "H": high speed (LED on)

SECTION 8
EXPLODED VIEWS

NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  AUS : Australian model
  EA : Saudi Arabia model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of the electrical parts list.

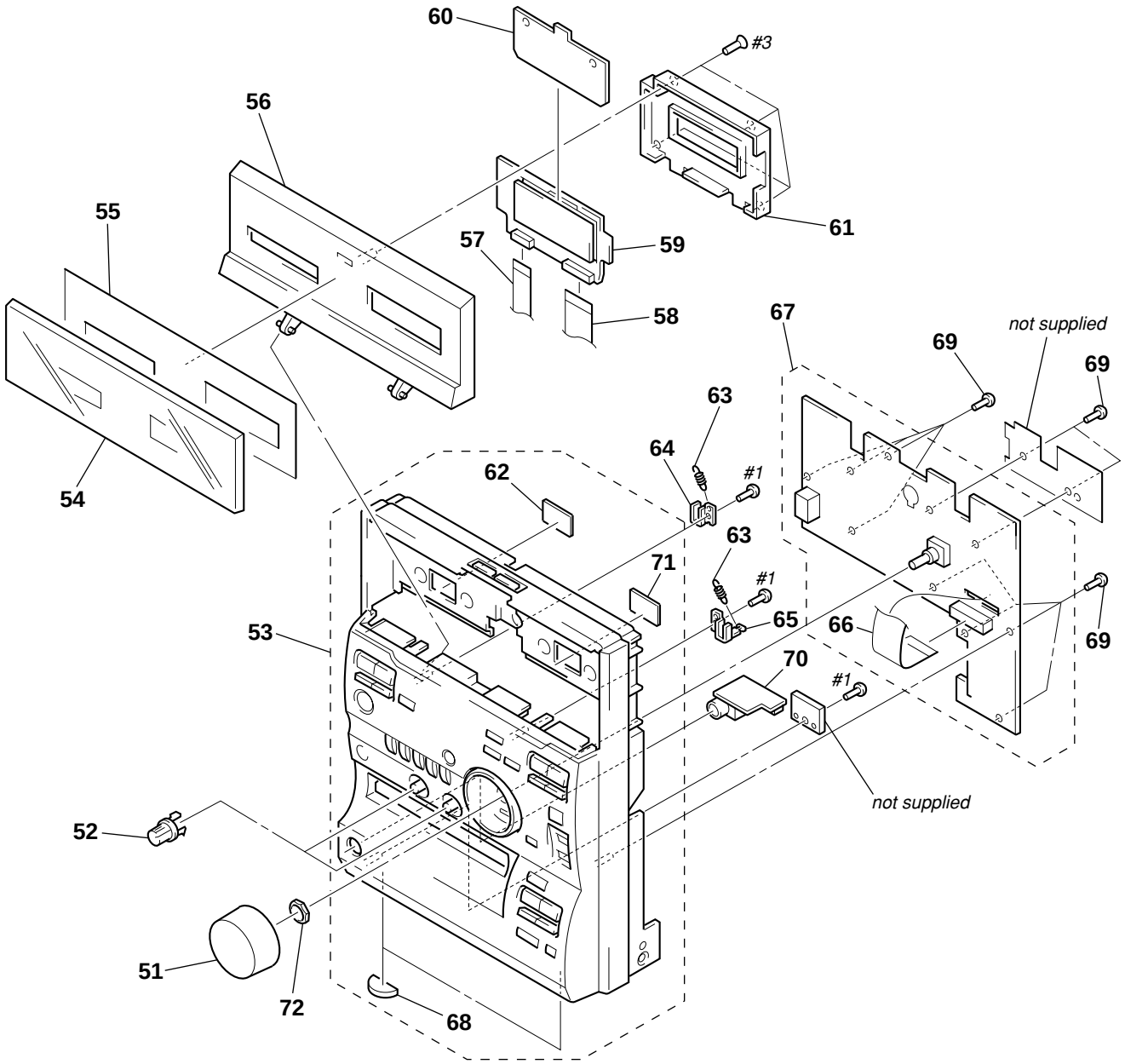
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

(1) COVER, TAPE MECHANISM DECK SECTION



Ref. No.	Part No.	Description	Remark
1	4-229-009-01	SPRING (CASSETTE B)	
2	4-229-008-01	SPRING (CASSETTE A)	
3	X-4952-972-1	HOLDER (A) SUB ASSY, CASSETTE	
4	X-4952-973-1	HOLDER (B) SUB ASSY, CASSETTE	
5	4-222-370-01	COVER (UPPER)	
6	4-221-580-01	SCREW, CASE	
8	4-229-015-01	SCREW (+BVTTWH) (2X6)	
9	4-229-013-01	DAMPER	
10	4-229-012-01	BRACKET (MD)	
11	1-772-645-11	DECK, MECHANICAL (TCM) (CMBL6Z112)	
12	4-229-016-01	CASE (TC), SHIELD	
13	A-4473-593-A	TC BOARD, COMPLETE	

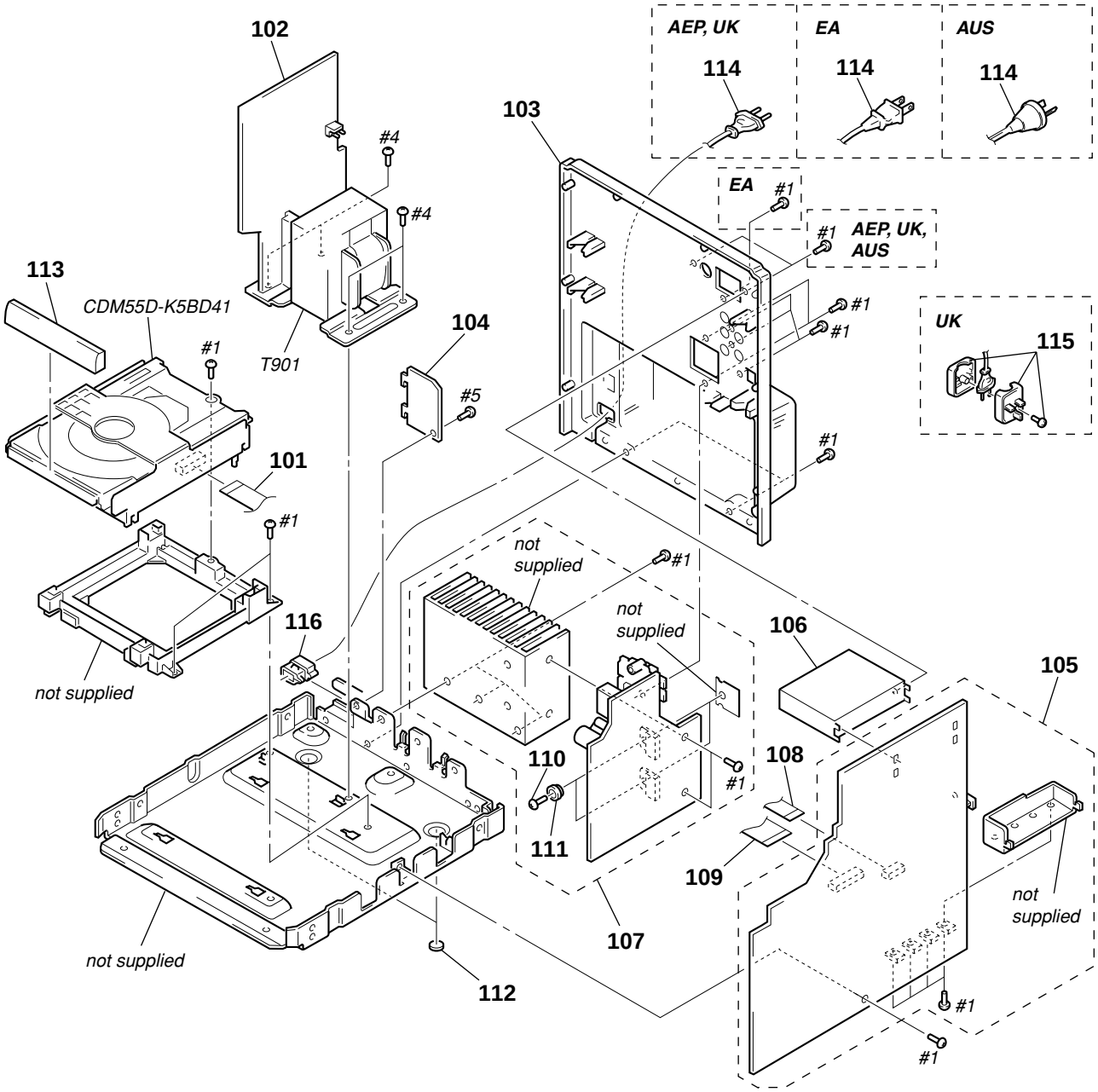
(2) FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	X-4952-336-1	KNOB ASSY	
52	4-229-014-01	KNOB (BASS)	
53	X-4952-974-1	PANEL SUB ASSY, FRONT (AEP, UK)	
53	X-4953-086-1	PANEL SUB ASSY, FRONT (EA, AUS)	
54	4-222-362-01	WINDOW (CASSETTE)	
55	4-222-368-01	SHEET (CASSETTE)	
56	4-222-363-01	LID, CASSETTE	
57	1-791-437-12	WIRE (FLAT TYPE) (FFC) (17 CORE) (23cm)	
58	1-791-438-12	WIRE (FLAT TYPE) (FFC) (21 CORE)	
59	1-678-409-11	LCD BOARD	
60	4-217-319-01	PLATE, LCD LIGHT	
61	4-222-376-01	BRACKET (LCD)	

Ref. No.	Part No.	Description	Remark
62	1-418-692-31	INDICATOR BLOCK, LED (DECK-A CASSETTE HOLDER BACK LIGHT)	
63	4-222-388-01	SPRING (CASSETTE LID)	
64	4-222-394-01	BRACKET (CASSETTE LID A)	
65	4-222-395-01	BRACKET (CASSETTE LID B)	
66	1-792-835-11	WIRE (FLAT TYPE) (23 CORE)	
67	A-4473-594-A	CONTROL BOARD, COMPLETE	
68	4-218-204-01	FOOT (FRONT)	
69	4-931-757-31	SCREW (DIA. 2.6X8) (IT3B), TAPPING	
70	1-678-412-11	HEADPHONE BOARD	
71	1-418-693-31	INDICATOR BLOCK, LED (DECK-B CASSETTE HOLDER BACK LIGHT)	
72	4-226-047-01	NUT, HEXAGON	

(3) CHASSIS SECTION

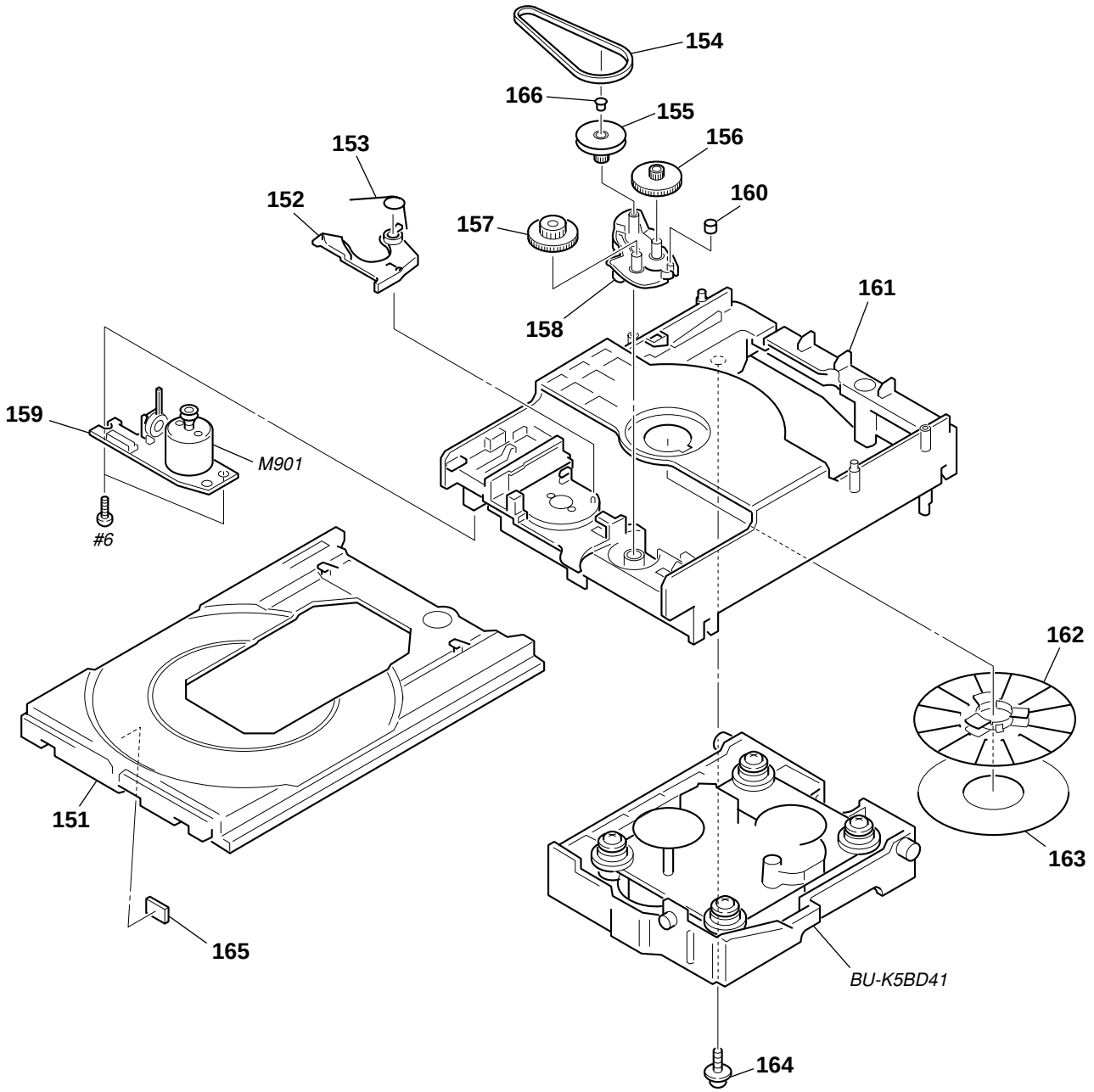


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
101	1-792-834-11	WIRE (FLAT TYPE) (19 CORE)	
102	1-678-416-11	POWER BOARD	
103	X-4953-083-1	PANEL SUB ASSY, BACK (AEP, UK)	
103	X-4953-084-1	PANEL SUB ASSY, BACK (EA)	
103	X-4953-085-1	PANEL SUB ASSY, BACK (AUS)	
104	1-678-414-11	PWB, RETAINER	
105	A-4473-598-A	MAIN BOARD, COMPLETE (AEP, UK)	
105	A-4475-017-A	MAIN BOARD, COMPLETE (EA)	
105	A-4475-018-A	MAIN BOARD, COMPLETE (AUS)	
106	A-4303-600-A	TUNER PACK (TCB-020) (AEP, UK, AUS)	
106	A-4303-604-A	TUNER PACK (TCB-020N) (EA)	
107	A-4412-312-A	AMP BOARD, COMPLETE (AEP, UK, AUS)	
107	A-4412-468-A	AMP BOARD, COMPLETE (EA)	

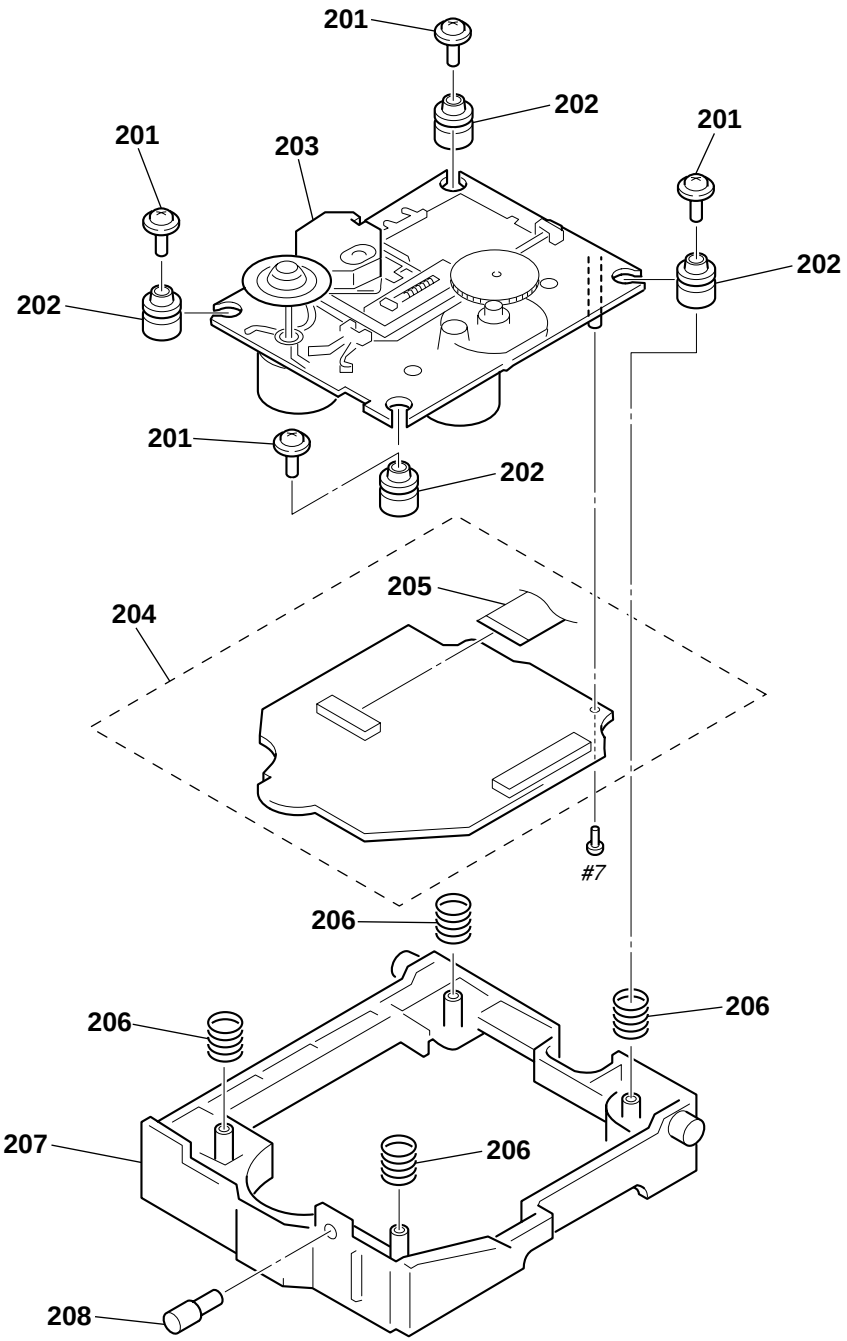
Ref. No.	Part No.	Description	Remark
108	1-792-832-11	WIRE (FLAT TYPE) (14 CORE)	
109	1-792-833-11	WIRE (FLAT TYPE) (17 CORE) (22cm)	
110	4-931-757-31	SCREW (DIA. 2.6X8) (IT3B), TAPPING	
* 111	4-217-354-01	BUSHING, INSULATING	
112	4-217-355-01	FOOT	
113	4-227-281-01	LID (CD)	
⚠114	1-690-608-11	CORD, POWER (AUS)	
⚠114	1-696-169-11	CORD, POWER (AEP, UK)	
⚠114	1-696-169-21	CORD, POWER (EA)	
⚠115	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
116	4-217-350-11	STOPPER, CORD	
⚠T901	1-435-386-11	TRANSFORMER, POWER (AEP, UK, AUS)	
⚠T901	1-435-628-11	TRANSFORMER, POWER (EA)	

(4) CD MECHANISM DECK SECTION (CDM55D-K5BD41)



Ref. No.	Part No.	Description	Remark
151	4-224-894-01	TRAY	
152	4-220-229-01	LEVER (SW)	
153	4-220-239-01	SPRING, TORSION	
154	4-221-816-01	BELT (CDM55)	
155	4-220-234-01	PULLEY (LDG)	
156	4-220-237-01	GEAR (A)	
157	4-220-238-01	GEAR (B)	
158	4-220-233-01	CAM (CDM55)	
159	1-676-599-11	LOADING BOARD	
160	4-221-815-01	ROLLER	
161	4-225-884-01	CHASSIS (55D)	
162	X-4952-811-1	PULLEY (AT) ASSY	
163	4-220-951-02	SHEET (KH)	
164	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING	
165	4-925-315-31	DAMPER	
166	4-227-598-01	SPACER (55)	
M901	A-4672-891-A	MOTOR (LD) ASSY (LOADING)	

(5) BASE UNIT SECTION (BU-K5BD41)



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
201	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING	
202	4-229-005-01	INSULATOR	
⚠203	8-848-483-05	OPTICAL PICK-UP KSM-213CKP/K1N	
204	A-4725-097-A	CD BOARD, COMPLETE	
205	1-791-495-11	WIRE, PARALLEL (FFC) (16 CORE)	
206	4-229-004-01	SPRING, COMPRESSION	
207	4-227-251-01	HOLDER (KSM)	
208	4-221-817-02	SHAFT (BU)	

SECTION 9
ELECTRICAL PARTS LIST

AMP

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Abbreviation
  AUS : Australian model
  EA : Saudi Arabia model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
	A-4412-312-A	AMP BOARD, COMPLETE (AEP, UK, AUS)			
	A-4412-468-A	AMP BOARD, COMPLETE (EA)			
		**********			
*	4-217-354-01	BUSHING, INSULATING			
	4-931-757-31	SCREW (DIA.2.6X8) (IT3B), TAPPING			
	7-685-546-14	SCREW +BTP 3X8 TYPE2 N-S			
		< CAPACITOR >			
C108	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C121	1-126-963-11	ELECT	4.7uF	20%	50V
C122	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C123	1-126-233-11	ELECT	22uF	20%	50V
C124	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C125	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C126	1-126-965-11	ELECT	22uF	20%	50V
C127	1-130-495-00	MYLAR	0.1uF	5%	50V
C132	1-104-665-11	ELECT	100uF	20%	16V
C133	1-130-495-00	MYLAR	0.1uF	5%	50V
C208	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C221	1-126-963-11	ELECT	4.7uF	20%	50V
C222	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C223	1-126-233-11	ELECT	22uF	20%	50V
C224	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C225	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C226	1-126-965-11	ELECT	22uF	20%	50V
C227	1-130-495-00	MYLAR	0.1uF	5%	50V
C232	1-104-665-11	ELECT	100uF	20%	16V
C233	1-130-495-00	MYLAR	0.1uF	5%	50V
C301	1-126-955-11	ELECT	4700uF	20%	35V
C302	1-126-955-11	ELECT	4700uF	20%	35V
C303	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C304	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C305	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C311	1-104-665-11	ELECT	100uF	20%	16V
C322	1-104-665-11	ELECT	100uF	20%	16V
C338	1-126-965-11	ELECT	22uF	20%	50V
C340	1-126-963-11	ELECT	4.7uF	20%	50V
C349	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C350	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C351	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
		< CONNECTOR >			
* CN310	1-568-936-11	PIN, CONNECTOR 9P			
CN311	1-506-469-11	PIN, CONNECTOR 4P			
		< IC >			
IC101	8-759-584-38	IC TDA7296			
IC201	8-759-584-38	IC TDA7296			
IC303	8-759-545-66	IC NJM3414AMP (TE2)			
		< COIL >			
L101	1-420-872-00	COIL, AIR-CORE (AEP, UK, AUS)			
L201	1-420-872-00	COIL, AIR-CORE (AEP, UK, AUS)			
		< TRANSISTOR >			
Q110	8-729-920-31	TRANSISTOR	DTC343TK		
Q210	8-729-920-31	TRANSISTOR	DTC343TK		
Q305	8-729-038-67	TRANSISTOR	KRC102S		
		< RESISTOR >			
R101	1-216-049-11	RES-CHIP	1K	5%	1/10W
R102	1-216-049-11	RES-CHIP	1K	5%	1/10W
R104	1-216-073-00	METAL CHIP	10K	5%	1/10W
R109	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R118	1-216-073-00	METAL CHIP	10K	5%	1/10W
R119	1-216-089-00	RES-CHIP	47K	5%	1/10W
R121	1-216-019-00	METAL CHIP	56	5%	1/10W
R123	1-216-045-00	METAL CHIP	680	5%	1/10W
R124	1-216-081-00	METAL CHIP	22K	5%	1/10W
R125	1-216-091-00	METAL CHIP	56K	5%	1/10W
R126	1-216-097-00	RES-CHIP	100K	5%	1/10W
R127	1-216-150-91	RES-CHIP	10	5%	1/8W
R128	1-216-150-91	RES-CHIP	10	5%	1/8W
R201	1-216-049-11	RES-CHIP	1K	5%	1/10W
R202	1-216-049-11	RES-CHIP	1K	5%	1/10W
R204	1-216-073-00	METAL CHIP	10K	5%	1/10W
R209	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R218	1-216-073-00	METAL CHIP	10K	5%	1/10W
R219	1-216-089-00	RES-CHIP	47K	5%	1/10W
R221	1-216-019-00	METAL CHIP	56	5%	1/10W
R223	1-216-045-00	METAL CHIP	680	5%	1/10W
R224	1-216-081-00	METAL CHIP	22K	5%	1/10W
R225	1-216-091-00	METAL CHIP	56K	5%	1/10W
R226	1-216-097-00	RES-CHIP	100K	5%	1/10W
R227	1-216-150-91	RES-CHIP	10	5%	1/8W
R228	1-216-150-91	RES-CHIP	10	5%	1/8W

AMP **CD**

Ref. No.	Part No.	Description			Remark
R303	1-216-017-00	RES-CHIP	47	5%	1/10W
R310	1-216-017-00	RES-CHIP	47	5%	1/10W
R334	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R335	1-216-073-00	METAL CHIP	10K	5%	1/10W
R336	1-216-073-00	METAL CHIP	10K	5%	1/10W
		< TERMINAL >			
SJ301	1-694-598-11	TERMINAL BOARD (4P) (SPEAKER, IMPEDANCE 6-16Ω)			

****

	A-4725-097-A	CD BOARD, COMPLETE			
		**********			
	1-791-495-11	WIRE, PARALLEL (FFC) (16 CORE)			
		< CAPACITOR >			
C101	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C102	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C103	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C104	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C108	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C109	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C110	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C111	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C112	1-107-682-11	CERAMIC CHIP	1uF	10%	16V
C114	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C115	1-126-382-11	ELECT	100uF	20%	16V
C116	1-126-382-11	ELECT	100uF	20%	16V
C117	1-126-382-11	ELECT	100uF	20%	16V
C118	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C119	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C121	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C122	1-126-382-11	ELECT	100uF	20%	16V
C123	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C124	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C125	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C126	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C127	1-126-382-11	ELECT	100uF	20%	16V
C129	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C130	1-164-346-11	CERAMIC CHIP	1uF		16V
C131	1-124-233-11	ELECT	10uF	20%	16V
C133	1-164-346-11	CERAMIC CHIP	1uF		16V
C140	1-164-346-11	CERAMIC CHIP	1uF		16V
C141	1-164-346-11	CERAMIC CHIP	1uF		16V
C143	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C145	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C146	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C147	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C148	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C153	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C159	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C160	1-124-257-00	ELECT	2.2uF	20%	50V
C162	1-126-382-11	ELECT	100uF	20%	16V
C163	1-126-382-11	ELECT	100uF	20%	16V
C165	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C167	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C168	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C171	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C172	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
C181	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C182	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
		< CONNECTOR >			
CN101	1-691-078-41	HOUSING, CONNECTOR 19P			
CN102	1-785-953-11	CONNECTOR, FFC/FPC			
		< FERRITE BEAD >			
FB101	1-469-144-21	FERRITE	0uH		
FB102	1-469-144-21	FERRITE	0uH		
FB103	1-469-144-21	FERRITE	0uH		
FB104	1-469-144-21	FERRITE	0uH		
		< IC >			
IC101	8-752-386-85	IC CXD2587Q			
IC102	8-759-549-28	IC BA5974FP-E2			
IC103	8-752-085-51	IC CXA2568M-T6			
		< SHORT >			
JR101	1-216-295-00	SHORT	0		
JR102	1-216-295-00	SHORT	0		
JR103	1-216-295-00	SHORT	0		
JR104	1-216-295-00	SHORT	0		
JR105	1-216-296-00	SHORT	0		
JR106	1-216-296-00	SHORT	0		
JR107	1-216-295-00	SHORT	0		
		< COIL >			
L101	1-410-993-11	INDUCTOR CHIP	1uH		
		< TRANSISTOR >			
Q101	8-729-010-08	TRANSISTOR	MSB710-R		
		< RESISTOR >			
R101	1-216-077-00	RES-CHIP	15K	5%	1/10W
R102	1-216-097-00	RES-CHIP	100K	5%	1/10W
R103	1-216-077-00	RES-CHIP	15K	5%	1/10W
R104	1-216-085-00	METAL CHIP	33K	5%	1/10W
R105	1-216-222-00	RES-CHIP	10K	5%	1/8W
R106	1-216-049-11	RES-CHIP	1K	5%	1/10W
R107	1-216-073-00	METAL CHIP	10K	5%	1/10W
R108	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R109	1-216-121-00	RES-CHIP	1M	5%	1/10W
R110	1-216-025-00	RES-CHIP	100	5%	1/10W
R111	1-216-121-00	RES-CHIP	1M	5%	1/10W
R113	1-216-121-00	RES-CHIP	1M	5%	1/10W
R114	1-216-073-00	METAL CHIP	10K	5%	1/10W
R116	1-216-001-00	METAL CHIP	10	5%	1/10W
R117	1-216-049-11	RES-CHIP	1K	5%	1/10W
R118	1-216-025-00	RES-CHIP	100	5%	1/10W
R119	1-216-041-00	METAL CHIP	470	5%	1/10W
R123	1-216-073-00	METAL CHIP	10K	5%	1/10W
R124	1-216-097-00	RES-CHIP	100K	5%	1/10W
R131	1-216-025-00	RES-CHIP	100	5%	1/10W
R132	1-216-133-00	METAL CHIP	3.3M	5%	1/10W

Ref. No.	Part No.	Description			Remark
R143	1-216-103-00	METAL CHIP	180K	5%	1/10W
R144	1-216-103-00	METAL CHIP	180K	5%	1/10W
R147	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R148	1-216-001-00	METAL CHIP	10	5%	1/10W
R149	1-216-001-00	METAL CHIP	10	5%	1/10W
R158	1-216-111-00	METAL CHIP	390K	5%	1/10W
R159	1-216-101-00	METAL CHIP	150K	5%	1/10W
R160	1-216-073-00	METAL CHIP	10K	5%	1/10W
R161	1-216-049-11	RES-CHIP	1K	5%	1/10W
R162	1-216-101-00	METAL CHIP	150K	5%	1/10W
R171	1-216-078-00	RES-CHIP	16K	5%	1/10W
R172	1-216-073-00	METAL CHIP	10K	5%	1/10W
R173	1-216-077-00	RES-CHIP	15K	5%	1/10W
R181	1-216-078-00	RES-CHIP	16K	5%	1/10W
R182	1-216-073-00	METAL CHIP	10K	5%	1/10W
R183	1-216-077-00	RES-CHIP	15K	5%	1/10W
		< NETWORK RESISTOR >			
RN101	1-233-576-11	RES, CHIP NETWORK 100			
		< SWITCH >			
S101	1-771-853-11	SWITCH, DETECTION (LIMIT)			
		< VIBRATOR >			
X101	1-781-776-21	VIBRATOR, CRYSTAL (16.9344MHz)			
**********					
	A-4473-594-A	CONTROL BOARD, COMPLETE			
		**********			
	1-792-835-11	WIRE (FLAT TYPE) (23 CORE)			
		< CAPACITOR >			
C819	1-124-259-11	ELECT	4.7uF	20%	16V
C820	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
		< CONNECTOR >			
CN807	1-794-393-11	CONNECTOR, FFC/FPC 23P			
		< LED >			
D810	8-719-074-42	LED SLR325VR-T31 (CD SYNC)			
D811	8-719-074-42	LED SLR325VR-T31 (DSG)			
D812	8-719-074-40	LED SLR325DU-T31 (MD)			
D813	8-719-074-40	LED SLR325DU-T31 (CD)			
D814	8-719-074-40	LED SLR325DU-T31 (TUNER)			
D817	8-719-074-40	LED SLR325DU-T31 (TAPE)			
D820	8-719-074-42	LED SLR325VR-T31 (I/⏻)			
D821	8-719-074-40	LED SLR325DU-T31 (VIDEO)			
D822	8-719-074-42	LED SLR325VR-T31 (HI SPEED DUBBING A→B)			
D823	8-719-075-50	LED SELS6B14C-TP5 (DISC TRAY LIGHT)			
		< IC >			
IC804	8-742-132-00	IC SBX1976-51P			
		< SHORT >			
JR606	1-216-296-00	SHORT	0		
JR651	1-216-296-00	SHORT	0		
JR652	1-216-296-00	SHORT	0		
		< TRANSISTOR >			
Q807	8-729-038-67	TRANSISTOR	KRC102S		
Q808	8-729-038-67	TRANSISTOR	KRC102S		
Q809	8-729-038-67	TRANSISTOR	KRC102S		
Q810	8-729-038-67	TRANSISTOR	KRC102S		
Q811	8-729-038-67	TRANSISTOR	KRC102S		
Q812	8-729-038-67	TRANSISTOR	KRC102S		
Q813	8-729-038-67	TRANSISTOR	KRC102S		
Q814	8-729-038-67	TRANSISTOR	KRC102S		
Q815	8-729-038-67	TRANSISTOR	KRC102S		
Q816	8-729-038-67	TRANSISTOR	KRC102S		
		< RESISTOR >			
R800	1-216-079-00	METAL CHIP	18K	5%	1/10W
R801	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R802	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R803	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R804	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R805	1-216-047-00	RES-CHIP	820	5%	1/10W
R806	1-216-045-00	METAL CHIP	680	5%	1/10W
R807	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R808	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R809	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R810	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R811	1-216-079-00	METAL CHIP	18K	5%	1/10W
R812	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R813	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R814	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R815	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R816	1-216-047-00	RES-CHIP	820	5%	1/10W
R817	1-216-045-00	METAL CHIP	680	5%	1/10W
R819	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R820	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R821	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R822	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R823	1-216-047-00	RES-CHIP	820	5%	1/10W
R824	1-216-045-00	METAL CHIP	680	5%	1/10W
R825	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R826	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R828	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R829	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R830	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R831	1-216-047-00	RES-CHIP	820	5%	1/10W
R832	1-216-045-00	METAL CHIP	680	5%	1/10W
R833	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R835	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R836	1-216-043-00	RES-CHIP	560	5%	1/10W
R837	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R838	1-216-043-00	RES-CHIP	560	5%	1/10W
R839	1-216-041-00	METAL CHIP	470	5%	1/10W
R841	1-216-073-00	METAL CHIP	10K	5%	1/10W
R842	1-216-033-00	METAL CHIP	220	5%	1/10W
R844	1-216-073-00	METAL CHIP	10K	5%	1/10W
R845	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R846	1-216-065-00	RES-CHIP	4.7K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R847	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R848	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R849	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R851	1-216-073-00	METAL CHIP	10K	5%	1/10W
R852	1-216-073-00	METAL CHIP	10K	5%	1/10W
		< ROTARY ENCODER >			
RV801	1-473-392-11	ENCODER, ROTARY (VOLUME)			
RV802	1-418-859-11	ENCODER, ROTARY (BASS)			
RV803	1-418-859-11	ENCODER, ROTARY (TREBLE)			
		< SWITCH >			
S800	1-571-760-11	SWITCH, KEY BOARD (TUNING –)			
S801	1-571-760-11	SWITCH, KEY BOARD (TUNING +)			
S802	1-571-760-11	SWITCH, KEY BOARD (REC ●)			
S803	1-571-760-11	SWITCH, KEY BOARD (TAPE B ▶▶)			
S804	1-571-760-11	SWITCH, KEY BOARD (TAPE B ◀◀)			
S805	1-571-760-11	SWITCH, KEY BOARD (TAPE B ■)			
S806	1-571-760-11	SWITCH, KEY BOARD (TAPE B ◀▶)			
S807	1-571-760-11	SWITCH, KEY BOARD (BAND)			
S808	1-571-760-11	SWITCH, KEY BOARD (CD ■)			
S809	1-571-760-11	SWITCH, KEY BOARD (CD ▶II)			
S810	1-571-760-11	SWITCH, KEY BOARD (TUNING MODE)			
S811	1-571-760-11	SWITCH, KEY BOARD (CD REPEAT)			
S812	1-571-760-11	SWITCH, KEY BOARD (PLAY MODE)			
S813	1-571-760-11	SWITCH, KEY BOARD (CD ▶▶I ▶▶)			
S814	1-571-760-11	SWITCH, KEY BOARD (CD I◀◀ ◀◀)			
S815	1-571-760-11	SWITCH, KEY BOARD (CD ⏏)			
S817	1-571-760-11	SWITCH, KEY BOARD (DSG)			
S818	1-571-760-11	SWITCH, KEY BOARD (VIDEO)			
S819	1-571-760-11	SWITCH, KEY BOARD (MD)			
S820	1-571-760-11	SWITCH, KEY BOARD (TAPE)			
S821	1-571-760-11	SWITCH, KEY BOARD (CD)			
S822	1-571-760-11	SWITCH, KEY BOARD (TUNER)			
S823	1-571-760-11	SWITCH, KEY BOARD (I/⏻)			
S824	1-571-760-11	SWITCH, KEY BOARD (II)			
S825	1-571-760-11	SWITCH, KEY BOARD (CD SYNC)			
S827	1-571-760-11	SWITCH, KEY BOARD (HI SPEED DUBBING A→B)			
S828	1-571-760-11	SWITCH, KEY BOARD (TAPE A ▶▶)			
S829	1-571-760-11	SWITCH, KEY BOARD (TAPE A ◀◀)			
S830	1-571-760-11	SWITCH, KEY BOARD (TAPE A ■)			
S831	1-571-760-11	SWITCH, KEY BOARD (TAPE A ◀▶)			
**********					
	1-678-412-11	HEADPHONE BOARD			
		**********			
		< CAPACITOR >			
C135	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C235	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
		< JACK >			
J301	1-785-925-11	JACK (PHONES)			

Ref. No.	Part No.	Description			Remark
		< COIL >			
L102	1-410-993-42	INDUCTOR CHIP	1uH		
L202	1-410-993-42	INDUCTOR CHIP	1uH		
**********					
	1-678-409-11	LCD BOARD			
		**********			
		< CONNECTOR >			
CN802	1-793-599-11	CONNECTOR, FFC/FPC (ZIF) 17P			
CN804	1-793-601-11	CONNECTOR, FFC/FPC (ZIF) 21P			
		< LED >			
D800	8-719-075-51	LED SELS6B14C-LF62 (LCD BACK LIGHT)			
D801	8-719-075-51	LED SELS6B14C-LF62 (LCD BACK LIGHT)			
D802	8-719-075-51	LED SELS6B14C-LF62 (LCD BACK LIGHT)			
D803	8-719-075-51	LED SELS6B14C-LF62 (LCD BACK LIGHT)			
		< SHORT >			
JR601	1-216-296-00	SHORT	0		
JR609	1-216-296-00	SHORT	0		
		< LIQUID CRYSTAL DISPLAY >			
LCD801	1-803-542-11	DISPLAY PANEL, LIQUID CRYSTAL			
**********					
	1-676-599-11	LOADING BOARD			
		**********			
		< CONNECTOR >			
* CN1	1-568-943-11	PIN, CONNECTOR 5P			
		< SWITCH >			
S1	1-771-799-11	SWITCH, LEVER (SLIDE) (DISC TRAY OPEN/CLOSE DETECT)			
**********					
	A-4473-598-A	MAIN BOARD, COMPLETE (AEP, UK)			
	A-4475-017-A	MAIN BOARD, COMPLETE (EA)			
	A-4475-018-A	MAIN BOARD, COMPLETE (AUS)			
		**********			
	7-685-546-14	SCREW +BTP 3X8 TYPE2 N-S			
		< CAPACITOR >			
C101	1-126-963-11	ELECT	4.7uF	20%	50V
C102	1-126-963-11	ELECT	4.7uF	20%	50V
C103	1-126-963-11	ELECT	4.7uF	20%	50V
C104	1-126-963-11	ELECT	4.7uF	20%	50V
C105	1-126-963-11	ELECT	4.7uF	20%	50V
C106	1-126-963-11	ELECT	4.7uF	20%	50V
C107	1-163-022-00	CERAMIC CHIP	0.012uF	10%	50V
C109	1-126-963-11	ELECT	4.7uF	20%	50V
C110	1-126-963-11	ELECT	4.7uF	20%	50V
C111	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V
C112	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V
C113	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C114	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C115	1-163-014-00	CERAMIC CHIP	0.0027uF	10%	50V

Ref. No.	Part No.	Description			Remark
C116	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C117	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C118	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C119	1-126-963-11	ELECT	4.7uF	20%	50V
C129	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C130	1-104-664-11	ELECT	47uF	20%	16V
C131	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C141	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C142	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C143	1-130-495-00	MYLAR	0.1uF	5%	50V
C144	1-124-903-11	ELECT	1uF	20%	50V
C145	1-124-902-00	ELECT	0.47uF	20%	50V
C146	1-126-964-11	ELECT	10uF	20%	50V
C147	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C148	1-126-964-11	ELECT	10uF	20%	50V
C149	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C201	1-126-963-11	ELECT	4.7uF	20%	50V
C202	1-126-963-11	ELECT	4.7uF	20%	50V
C203	1-126-963-11	ELECT	4.7uF	20%	50V
C204	1-126-963-11	ELECT	4.7uF	20%	50V
C205	1-126-963-11	ELECT	4.7uF	20%	50V
C206	1-126-963-11	ELECT	4.7uF	20%	50V
C207	1-163-022-00	CERAMIC CHIP	0.012uF	10%	50V
C209	1-126-963-11	ELECT	4.7uF	20%	50V
C210	1-126-963-11	ELECT	4.7uF	20%	50V
C211	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V
C212	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V
C213	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C214	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C215	1-163-014-00	CERAMIC CHIP	0.0027uF	10%	50V
C216	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C217	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C218	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C219	1-126-963-11	ELECT	4.7uF	20%	50V
C229	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C230	1-104-664-11	ELECT	47uF	20%	16V
C231	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C241	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C242	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C243	1-130-495-00	MYLAR	0.1uF	5%	50V
C244	1-124-903-11	ELECT	1uF	20%	50V
C245	1-124-902-00	ELECT	0.47uF	20%	50V
C246	1-126-964-11	ELECT	10uF	20%	50V
C247	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C248	1-126-964-11	ELECT	10uF	20%	50V
C249	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C306	1-126-767-11	ELECT	1000uF	20%	16V
C307	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C308	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C309	1-126-965-11	ELECT	22uF	20%	50V (AEP, UK, AUS)
C310	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C312	1-126-942-61	ELECT	1000uF	20%	25V
C313	1-126-942-61	ELECT	1000uF	20%	25V
C314	1-104-666-11	ELECT	220uF	20%	16V
C315	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C316	1-104-666-11	ELECT	220uF	20%	16V
C317	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C318	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C319	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C320	1-126-941-11	ELECT	470uF	20%	16V
C321	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C323	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C324	1-104-666-11	ELECT	220uF	20%	16V
C325	1-104-665-11	ELECT	100uF	20%	10V
C326	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C328	1-126-941-11	ELECT	470uF	20%	16V
C329	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C330	1-104-665-11	ELECT	100uF	20%	16V
C331	1-104-665-11	ELECT	100uF	20%	10V
C332	1-104-664-11	ELECT	47uF	20%	25V
C333	1-126-964-11	ELECT	10uF	20%	50V
C334	1-124-119-00	ELECT	330uF	20%	16V
C335	1-104-666-11	ELECT	220uF	20%	16V
C336	1-126-963-11	ELECT	4.7uF	20%	50V
C337	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C341	1-104-665-11	ELECT	100uF	20%	16V
C342	1-104-665-11	ELECT	100uF	20%	16V
C343	1-124-902-00	ELECT	0.47uF	20%	50V
C344	1-126-964-11	ELECT	10uF	20%	50V
C345	1-126-964-11	ELECT	10uF	20%	50V
C347	1-104-665-11	ELECT	100uF	20%	25V
C361	1-124-472-11	ELECT	470uF	20%	10V
C362	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C363	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C364	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C365	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C366	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C367	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C368	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C371	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C372	1-104-664-11	ELECT	47uF	20%	16V
C373	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C800	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C801	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C802	1-104-664-11	ELECT	47uF	20%	16V
C803	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C804	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C805	1-104-664-11	ELECT	47uF	20%	16V
C806	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C807	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C808	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C809	1-163-102-00	CERAMIC CHIP	24PF	5%	50V
C810	1-125-507-11	DOUBLE LAYER	0.22F		5.5V
C811	1-163-102-00	CERAMIC CHIP	24PF	5%	50V
C812	1-104-664-11	ELECT	47uF	20%	16V (AEP, UK)
C813	1-163-096-00	CERAMIC CHIP	13PF	5%	50V (AEP, UK)
C814	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V (AEP, UK)
C815	1-163-096-00	CERAMIC CHIP	13PF	5%	50V (AEP, UK)
C816	1-126-961-11	ELECT	2.2uF	20%	50V (AEP, UK)

MAIN

Ref. No.	Part No.	Description			Remark
C817	1-163-003-11	CERAMIC CHIP	330PF	10%	50V (AEP, UK)
C818	1-163-135-00	CERAMIC CHIP	560PF	5%	50V (AEP, UK)
C850	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V (AEP, UK)
C890	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C891	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C892	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C893	1-162-306-11	CERAMIC	0.01uF	30%	16V
		< CONNECTOR >			
* CN301	1-569-935-11	SOCKET, CONNECTOR 19P			
CN302	1-569-931-11	CONNECTOR, FFC/FPC 14P			
CN303	1-569-934-11	CONNECTOR, FFC/FPC 17P			
* CN304	1-568-954-11	PIN, CONNECTOR 5P			
CN801	1-793-600-11	CONNECTOR, FFC/FPC (ZIF) 17P			
CN803	1-793-602-11	CONNECTOR, FFC/FPC (ZIF) 21P			
* CN805	1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P			
CN806	1-794-393-11	CONNECTOR, FFC/FPC 23P			
* CN808	1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P			
		< DIODE >			
D301	8-719-991-33	DIODE	1SS133T-77		
D302	8-719-991-33	DIODE	1SS133T-77		
D303	8-719-991-33	DIODE	1SS133T-77		
D304	8-719-991-33	DIODE	1SS133T-77		
D305	8-719-991-33	DIODE	1SS133T-77 (AEP, UK, AUS)		
D306	8-719-200-82	DIODE	11ES2		
D307	8-719-110-08	DIODE	RD8.2ES-B2		
D308	8-719-991-33	DIODE	1SS133T-77		
D309	8-719-991-33	DIODE	1SS133T-77		
D310	8-719-991-33	DIODE	1SS133T-77		
D311	8-719-991-33	DIODE	1SS133T-77		
D314	8-719-109-89	DIODE	RD5.6ESB2		
D315	8-719-991-33	DIODE	1SS133T-77		
D316	8-719-921-75	DIODE	MTZN-10B (AEP, UK, AUS)		
D317	8-719-921-75	DIODE	MTZN-10B		
D318	8-719-991-33	DIODE	1SS133T-77		
D319	8-719-921-63	DIODE	MTZJ-7.5B		
D320	8-719-991-33	DIODE	1SS133T-77		
D321	8-719-991-33	DIODE	1SS133T-77		
D323	8-719-929-15	DIODE	HZS9.1NB2		
D324	8-719-921-40	DIODE	MTZJ-4.7C		
D326	8-719-200-82	DIODE	11ES2		
D330	8-719-991-33	DIODE	1SS133T-77		
D331	8-719-991-33	DIODE	1SS133T-77		
D363	8-719-991-33	DIODE	1SS133T-77		
D805	8-719-982-11	DIODE	MTZJ-4.3B (AEP, UK)		
D806	8-719-991-33	DIODE	1SS133T-77		
D807	8-719-991-33	DIODE	1SS133T-77		
D808	8-719-991-33	DIODE	1SS133T-77		
D809	8-719-991-33	DIODE	1SS133T-77		
D815	8-719-991-33	DIODE	1SS133T-77		
D816	8-719-991-33	DIODE	1SS133T-77		
D888	8-719-991-33	DIODE	1SS133T-77		

Ref. No.	Part No.	Description	Remark
		< IC >	
IC301	8-759-585-01	IC TDA7439	
IC302	8-759-909-71	IC BA4558F	
IC304	8-759-646-54	IC KIA7808API	
IC305	8-759-584-40	IC KA7908	
IC306	8-759-495-26	IC HA12215F	
IC307	8-759-646-53	IC KIA7812API	
IC308	8-749-921-12	IC GP1F32T (OPTICAL DIGITAL OUT (CD))	
IC309	8-759-584-65	IC KA3082	
IC310	8-759-646-52	IC KIA7805API	
IC311	8-759-646-54	IC KIA7808API	
IC800	8-759-153-90	IC uPD7225GB-3B7	
IC801	8-759-584-64	IC BMR0301H	
IC802	8-752-915-53	IC CXP84332-224Q	
IC803	8-759-557-36	IC BU1924F-E2 (AEP, UK)	
		< SHORT >	
JR303	1-216-296-00	SHORT	0
JR304	1-216-296-00	SHORT	0
JR305	1-216-296-00	SHORT	0
JR307	1-216-296-00	SHORT	0
JR308	1-216-296-00	SHORT	0
JR309	1-216-296-00	SHORT	0
JR310	1-216-296-00	SHORT	0
JR311	1-216-296-00	SHORT	0
JR312	1-216-296-00	SHORT	0
JR313	1-216-296-00	SHORT	0
JR314	1-216-296-00	SHORT	0
JR315	1-216-296-00	SHORT	0
JR317	1-216-296-00	SHORT	0
JR318	1-216-296-00	SHORT	0
JR319	1-216-296-00	SHORT	0
JR320	1-216-296-00	SHORT	0
JR322	1-216-296-00	SHORT	0
JR323	1-216-296-00	SHORT	0
JR326	1-216-296-00	SHORT	0
JR328	1-216-296-00	SHORT	0
JR329	1-216-296-00	SHORT	0
JR330	1-216-296-00	SHORT	0
JR331	1-216-296-00	SHORT	0
JR332	1-216-296-00	SHORT	0
JR334	1-216-296-00	SHORT	0
JR335	1-216-296-00	SHORT	0
JR336	1-216-296-00	SHORT	0
JR337	1-216-296-00	SHORT	0
JR339	1-216-296-00	SHORT	0
JR341	1-216-296-00	SHORT	0
JR342	1-216-296-00	SHORT	0
JR343	1-216-296-00	SHORT	0
		< COIL >	
L301	1-410-993-11	INDUCTOR CHIP	1uH
L302	1-410-993-11	INDUCTOR CHIP	1uH
L303	1-410-993-11	INDUCTOR CHIP	1uH
L304	1-410-993-11	INDUCTOR CHIP	1uH
L801	1-410-993-11	INDUCTOR CHIP	1uH
L802	1-410-993-11	INDUCTOR CHIP	1uH

Ref. No.	Part No.	Description			Remark
L803	1-410-993-11	INDUCTOR CHIP	1uH		
		< JACK >			
PJ303	1-785-926-11	JACK, PIN 6P (LINE OUT, MD IN, VIDEO IN)			
		< TRANSISTOR >			
Q101	8-729-920-31	TRANSISTOR	DTC343TK		
Q102	8-729-920-31	TRANSISTOR	DTC343TK		
Q103	8-729-920-31	TRANSISTOR	DTC343TK		
Q106	8-729-920-31	TRANSISTOR	DTC343TK		
Q111	8-729-920-31	TRANSISTOR	DTC343TK		
Q201	8-729-920-31	TRANSISTOR	DTC343TK		
Q202	8-729-920-31	TRANSISTOR	DTC343TK		
Q203	8-729-920-31	TRANSISTOR	DTC343TK		
Q206	8-729-920-31	TRANSISTOR	DTC343TK		
Q211	8-729-920-31	TRANSISTOR	DTC343TK		
Q303	8-729-038-55	TRANSISTOR	KRA103S		
Q304	8-729-038-67	TRANSISTOR	KRC102S		
Q306	8-729-038-67	TRANSISTOR	KRC102S		
Q309	8-729-052-82	TRANSISTOR	KTA1281Y-AT		(AEP, UK, AUS)
Q310	8-729-019-00	TRANSISTOR	2SD2394-G		
Q311	8-729-038-54	TRANSISTOR	KRA102S		
Q312	8-729-038-68	TRANSISTOR	KRC103S		
Q313	8-729-028-54	TRANSISTOR	KTC3205		
Q314	8-729-028-54	TRANSISTOR	KTC3205		
Q315	8-729-038-54	TRANSISTOR	KRA102S		
Q316	8-729-038-68	TRANSISTOR	KRC103S		
Q317	8-729-038-54	TRANSISTOR	KRA102S		
Q318	8-729-038-68	TRANSISTOR	KRC103S		
Q319	8-729-038-67	TRANSISTOR	KRC102S (AEP, UK, AUS)		
Q320	8-729-038-67	TRANSISTOR	KRC102S (AEP, UK, AUS)		
Q321	8-729-038-54	TRANSISTOR	KRA102S		
Q322	8-729-038-68	TRANSISTOR	KRC103S		
Q323	8-729-801-84	TRANSISTOR	2SB1013-4		
Q324	8-729-038-68	TRANSISTOR	KRC103S		
Q361	8-729-202-56	TRANSISTOR	2SA950-Y		
Q362	8-729-038-68	TRANSISTOR	KRC103S		
Q363	8-729-038-68	TRANSISTOR	KRC103S		
Q364	8-729-202-56	TRANSISTOR	2SA950-Y		
Q365	8-729-038-68	TRANSISTOR	KRC103S		
Q366	8-729-202-56	TRANSISTOR	2SA950-Y		
Q367	8-729-038-68	TRANSISTOR	KRC103S		
Q800	8-729-801-84	TRANSISTOR	2SB1013-4		
Q801	8-729-038-67	TRANSISTOR	KRC102S		
Q804	8-729-037-02	TRANSISTOR	KTA1266Y-AT		
Q805	8-729-038-67	TRANSISTOR	KRC102S		
Q806	8-729-038-67	TRANSISTOR	KRC102S		
Q830	8-729-120-28	TRANSISTOR	2SC2412K-T-146-R		(AEP, UK)
Q850	8-729-037-02	TRANSISTOR	KTA1266Y-AT		
Q851	8-729-038-67	TRANSISTOR	KRC102S		
		< RESISTOR >			
R103	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R105	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R106	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R107	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R108	1-216-072-00	METAL CHIP	9.1K	5%	1/10W
R110	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R111	1-216-049-11	RES-CHIP	1K	5%	1/10W
R112	1-216-049-11	RES-CHIP	1K	5%	1/10W
R113	1-216-089-00	RES-CHIP	47K	5%	1/10W
R114	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R115	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R116	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R117	1-216-089-00	RES-CHIP	47K	5%	1/10W
R131	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R133	1-216-049-11	RES-CHIP	1K	5%	1/10W
R134	1-216-025-00	RES-CHIP	100	5%	1/10W
R135	1-216-089-00	RES-CHIP	47K	5%	1/10W
R136	1-216-049-11	RES-CHIP	1K	5%	1/10W
R137	1-216-049-11	RES-CHIP	1K	5%	1/10W
R138	1-216-073-00	METAL CHIP	10K	5%	1/10W
R141	1-216-077-00	RES-CHIP	15K	5%	1/10W
R142	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R143	1-216-081-00	METAL CHIP	22K	5%	1/10W
R144	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R145	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R146	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R147	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R203	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R205	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R206	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R207	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R208	1-216-072-00	METAL CHIP	9.1K	5%	1/10W
R210	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R211	1-216-049-11	RES-CHIP	1K	5%	1/10W
R212	1-216-049-11	RES-CHIP	1K	5%	1/10W
R213	1-216-089-00	RES-CHIP	47K	5%	1/10W
R214	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R215	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R216	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R217	1-216-089-00	RES-CHIP	47K	5%	1/10W
R231	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R233	1-216-049-11	RES-CHIP	1K	5%	1/10W
R234	1-216-025-00	RES-CHIP	100	5%	1/10W
R235	1-216-089-00	RES-CHIP	47K	5%	1/10W
R236	1-216-049-11	RES-CHIP	1K	5%	1/10W
R237	1-216-049-11	RES-CHIP	1K	5%	1/10W
R238	1-216-073-00	METAL CHIP	10K	5%	1/10W
R241	1-216-077-00	RES-CHIP	15K	5%	1/10W
R242	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R243	1-216-085-00	METAL CHIP	33K	5%	1/10W
R244	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R245	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R246	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R247	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R302	1-216-035-00	METAL CHIP	270	5%	1/10W
R304	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R305	1-216-089-00	RES-CHIP	47K	5%	1/10W
R306	1-216-065-00	RES-CHIP	4.7K	5%	1/10W (AEP, UK, AUS)
R307	1-216-097-00	RES-CHIP	100K	5%	1/10W (AEP, UK, AUS)

MAIN

Ref. No.	Part No.	Description			Remark
R308	1-216-073-00	METAL CHIP	10K	5%	1/10W (AEP, UK, AUS)
R309	1-216-049-11	RES-CHIP	1K	5%	1/10W (AEP, UK, AUS)
R311	1-216-089-00	RES-CHIP	47K	5%	1/10W (AEP, UK, AUS)
R312	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R314	1-216-047-00	RES-CHIP	820	5%	1/10W
R316	1-216-033-00	METAL CHIP	220	5%	1/10W
R317	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R321	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R325	1-216-089-00	RES-CHIP	47K	5%	1/10W
R326	1-216-089-00	RES-CHIP	47K	5%	1/10W
R337	1-216-041-00	METAL CHIP	470	5%	1/10W
R338	1-216-001-00	METAL CHIP	10	5%	1/10W
R339	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R341	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R342	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R343	1-216-089-00	RES-CHIP	47K	5%	1/10W
R344	1-216-049-11	RES-CHIP	1K	5%	1/10W
R345	1-216-089-00	RES-CHIP	47K	5%	1/10W
R346	1-216-089-00	RES-CHIP	47K	5%	1/10W
R347	1-216-089-00	RES-CHIP	47K	5%	1/10W
R348	1-216-089-00	RES-CHIP	47K	5%	1/10W
R349	1-216-079-00	METAL CHIP	18K	5%	1/10W
R350	1-216-025-00	RES-CHIP	100	5%	1/10W
R351	1-216-121-00	RES-CHIP	1M	5%	1/10W
R352	1-216-097-00	RES-CHIP	100K	5%	1/10W
R353	1-216-073-00	METAL CHIP	10K	5%	1/10W
R354	1-216-077-00	RES-CHIP	15K	5%	1/10W
R355	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R356	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R357	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R358	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R359	1-216-089-00	RES-CHIP	47K	5%	1/10W
R360	1-216-089-00	RES-CHIP	47K	5%	1/10W
R361	1-216-089-00	RES-CHIP	47K	5%	1/10W
R390	1-216-089-00	RES-CHIP	47K	5%	1/10W
R501	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R502	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R503	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R504	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R505	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R506	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R507	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R508	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R509	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R510	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R511	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R512	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R513	1-216-109-00	METAL CHIP	330K	5%	1/10W
R517	1-216-073-00	METAL CHIP	10K	5%	1/10W
R518	1-216-073-00	METAL CHIP	10K	5%	1/10W
R519	1-216-073-00	METAL CHIP	10K	5%	1/10W
R520	1-216-081-00	METAL CHIP	22K	5%	1/10W
R522	1-216-049-11	RES-CHIP	1K	5%	1/10W
R523	1-216-049-11	RES-CHIP	1K	5%	1/10W
R524	1-216-073-00	METAL CHIP	10K	5%	1/10W
R526	1-216-073-00	METAL CHIP	10K	5%	1/10W
R527	1-216-073-00	METAL CHIP	10K	5%	1/10W
R530	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R531	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R532	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R533	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R534	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R535	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R536	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R537	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R538	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R539	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R540	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R541	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R543	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R544	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R545	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R546	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R547	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R548	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R550	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R551	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R552	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R553	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R554	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R555	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R601	1-216-041-00	METAL CHIP	470	5%	1/10W
R602	1-216-049-11	RES-CHIP	1K	5%	1/10W
R603	1-216-049-11	RES-CHIP	1K	5%	1/10W
R604	1-216-049-11	RES-CHIP	1K	5%	1/10W
R605	1-216-049-11	RES-CHIP	1K	5%	1/10W
R606	1-216-049-11	RES-CHIP	1K	5%	1/10W
R607	1-216-049-11	RES-CHIP	1K	5%	1/10W
R608	1-216-073-00	METAL CHIP	10K	5%	1/10W
R609	1-216-049-11	RES-CHIP	1K	5%	1/10W
R610	1-216-049-11	RES-CHIP	1K	5%	1/10W
R611	1-216-049-11	RES-CHIP	1K	5%	1/10W
R612	1-216-049-11	RES-CHIP	1K	5%	1/10W
R613	1-216-049-11	RES-CHIP	1K	5%	1/10W
R614	1-216-049-11	RES-CHIP	1K	5%	1/10W
R615	1-216-049-11	RES-CHIP	1K	5%	1/10W
R616	1-216-049-11	RES-CHIP	1K	5%	1/10W
R617	1-216-049-11	RES-CHIP	1K	5%	1/10W
R618	1-216-049-11	RES-CHIP	1K	5%	1/10W
R619	1-216-049-11	RES-CHIP	1K	5%	1/10W
R620	1-216-049-11	RES-CHIP	1K	5%	1/10W
R621	1-216-049-11	RES-CHIP	1K	5%	1/10W
R622	1-216-049-11	RES-CHIP	1K	5%	1/10W
R623	1-216-049-11	RES-CHIP	1K	5%	1/10W
R624	1-216-049-11	RES-CHIP	1K	5%	1/10W
R625	1-216-049-11	RES-CHIP	1K	5%	1/10W
R626	1-216-049-11	RES-CHIP	1K	5%	1/10W
R627	1-216-049-11	RES-CHIP	1K	5%	1/10W
R628	1-216-049-11	RES-CHIP	1K	5%	1/10W
R629	1-216-049-11	RES-CHIP	1K	5%	1/10W
R630	1-216-049-11	RES-CHIP	1K	5%	1/10W
R631	1-216-041-00	METAL CHIP	470	5%	1/10W

Ref. No.	Part No.	Description			Remark
R634	1-216-013-00	METAL CHIP	33	5%	1/10W
R639	1-216-049-11	RES-CHIP	1K	5%	1/10W
R640	1-216-049-11	RES-CHIP	1K	5%	1/10W
R641	1-216-049-11	RES-CHIP	1K	5%	1/10W
R642	1-216-049-11	RES-CHIP	1K	5%	1/10W
R643	1-216-049-11	RES-CHIP	1K	5%	1/10W
R644	1-216-049-11	RES-CHIP	1K	5%	1/10W
R645	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R646	1-216-049-11	RES-CHIP	1K	5%	1/10W
R647	1-216-049-11	RES-CHIP	1K	5%	1/10W
R648	1-216-049-11	RES-CHIP	1K	5%	1/10W
R649	1-216-049-11	RES-CHIP	1K	5%	1/10W
R650	1-216-049-11	RES-CHIP	1K	5%	1/10W
R651	1-216-049-11	RES-CHIP	1K	5%	1/10W
R652	1-216-049-11	RES-CHIP	1K	5%	1/10W
R653	1-216-025-00	RES-CHIP	100	5%	1/10W
R654	1-216-049-11	RES-CHIP	1K	5%	1/10W
R655	1-216-049-11	RES-CHIP	1K	5%	1/10W
R656	1-216-049-11	RES-CHIP	1K	5%	1/10W
R657	1-216-049-11	RES-CHIP	1K	5%	1/10W
R658	1-216-049-11	RES-CHIP	1K	5%	1/10W
R659	1-216-049-11	RES-CHIP	1K	5%	1/10W
R660	1-216-049-11	RES-CHIP	1K	5%	1/10W
R661	1-216-049-11	RES-CHIP	1K	5%	1/10W
R662	1-216-049-11	RES-CHIP	1K	5%	1/10W
R664	1-216-049-11	RES-CHIP	1K	5%	1/10W
R665	1-216-049-11	RES-CHIP	1K	5%	1/10W
R666	1-216-049-11	RES-CHIP	1K	5%	1/10W
R667	1-216-049-11	RES-CHIP	1K	5%	1/10W
R668	1-216-049-11	RES-CHIP	1K	5%	1/10W
R669	1-216-049-11	RES-CHIP	1K	5%	1/10W
R670	1-216-049-11	RES-CHIP	1K	5%	1/10W
R671	1-216-049-11	RES-CHIP	1K	5%	1/10W
R674	1-216-049-11	RES-CHIP	1K	5%	1/10W
R675	1-216-049-11	RES-CHIP	1K	5%	1/10W
R676	1-216-049-11	RES-CHIP	1K	5%	1/10W
R677	1-216-049-11	RES-CHIP	1K	5%	1/10W
R678	1-216-049-11	RES-CHIP	1K	5%	1/10W
R679	1-216-049-11	RES-CHIP	1K	5%	1/10W
R680	1-216-049-11	RES-CHIP	1K	5%	1/10W
R681	1-249-403-11	CARBON	68	5%	1/4W
R682	1-216-027-00	METAL CHIP	120	5%	1/10W
R683	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R684	1-216-037-00	METAL CHIP	330	5%	1/10W
R685	1-216-031-00	METAL CHIP	180	5%	1/10W
R686	1-216-031-00	METAL CHIP	180	5%	1/10W
R687	1-216-089-00	RES-CHIP	47K	5%	1/10W
R688	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R693	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R694	1-216-045-00	METAL CHIP	680	5%	1/10W (AUS)
R694	1-216-065-00	RES-CHIP	4.7K	5%	1/10W (EA)
R694	1-216-053-00	METAL CHIP	1.5K	5%	1/10W (AEP, UK)
R695	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R696	1-216-097-00	RES-CHIP	100K	5%	1/10W
R697	1-216-065-00	RES-CHIP	4.7K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R853	1-216-113-00	METAL CHIP	470K	5%	1/10W (AEP, UK)
R854	1-216-049-11	RES-CHIP	1K	5%	1/10W (AEP, UK)
R855	1-216-065-00	RES-CHIP	4.7K	5%	1/10W (AEP, UK)
R856	1-216-097-00	RES-CHIP	100K	5%	1/10W (AEP, UK)
R857	1-216-035-00	METAL CHIP	270	5%	1/10W (AEP, UK)
R860	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R861	1-216-089-00	RES-CHIP	47K	5%	1/10W
R862	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R863	1-216-089-00	RES-CHIP	47K	5%	1/10W
R870	1-216-073-00	METAL CHIP	10K	5%	1/10W
R888	1-216-073-00	METAL CHIP	10K	5%	1/10W
R891	1-216-089-00	RES-CHIP	47K	5%	1/10W
R892	1-216-041-00	METAL CHIP	470	5%	1/10W
R898	1-216-242-00	RES-CHIP	68K	5%	1/8W (AEP, UK)
R899	1-216-242-00	RES-CHIP	68K	5%	1/8W (AEP, UK)
		< VARIABLE RESISTOR >			
RV101	1-241-764-11	RES, ADJ, CARBON 10K			
RV201	1-241-764-11	RES, ADJ, CARBON 10K			
		< VIBRATOR >			
X800	1-567-098-41	VIBRATOR, CRYSTAL (32.768kHz)			
X801	1-767-184-11	VIBRATOR, CERAMIC (4.19MHz)			
X802	1-579-242-41	VIBRATOR, CRYSTAL (4.332MHz) (AEP, UK)			
**********					
	1-678-416-11	POWER BOARD			
		**********			
	1-533-313-11	HOLDER, FUSE			
		< CAPACITOR >			
⚠C901	1-113-925-11	CERAMIC	0.01uF	20%	250V (AEP, UK, AUS)
C907	1-101-005-00	CERAMIC	22000PF		50V
C908	1-101-005-00	CERAMIC	22000PF		50V
C909	1-101-005-00	CERAMIC	22000PF		50V
C910	1-101-005-00	CERAMIC	22000PF		50V
C911	1-161-494-00	CERAMIC	0.022uF		25V
C912	1-161-494-00	CERAMIC	0.022uF		25V
C913	1-161-494-00	CERAMIC	0.022uF		25V
C914	1-161-494-00	CERAMIC	0.022uF		25V
		< CONNECTOR >			
CN901	1-564-321-00	PIN, CONNECTOR 2P			
CN902	1-766-276-11	PIN, CONNECTOR (PC BOARD) 3P			
CN903	1-766-278-11	PIN, CONNECTOR (PC BOARD) 5P			
		< DIODE >			
D901	8-719-200-82	DIODE 11ES2 (AEP, UK, AUS)			
D907	8-719-902-17	DIODE U15G			
D908	8-719-902-17	DIODE U15G			
D909	8-719-902-17	DIODE U15G			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

POWER | TC

Ref. No.	Part No.	Description	Remark
D910	8-719-902-17	DIODE U15G	
D911	8-719-046-07	DIODE 2A02M	
D912	8-719-046-07	DIODE 2A02M	
D913	8-719-046-07	DIODE 2A02M	
D914	8-719-046-07	DIODE 2A02M	
		< FUSE >	
⚠F901	1-533-464-11	FUSE, TIME-LAG (DIA. 5) (T0.8AL/250V)	
⚠F902	1-533-468-11	FUSE, TIME-LAG (DIA. 5) (T2AL/250V)	
⚠F903	1-533-468-11	FUSE, TIME-LAG (DIA. 5) (T2AL/250V)	
		< RELAY >	
⚠RY901	1-755-386-11	RELAY (AEP, UK, AUS)	
		< SWITCH >	
⚠S901	1-552-921-00	SWITCH, POWER (VOLTAGE SELECTOR) (EA)	
		< POWER TRANSFORMER >	
⚠T901	1-435-386-11	TRANSFORMER, POWER (AEP, UK, AUS)	
⚠T901	1-435-628-11	TRANSFORMER, POWER (EA)	
**********			
	A-4473-593-A	TC BOARD, COMPLETE	
		**********	
		< CAPACITOR >	
C401	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
C402	1-104-665-11	ELECT 100uF 20% 16V	
C403	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C404	1-130-487-00	MYLAR 0.022uF 5% 50V	
C405	1-126-965-11	ELECT 22uF 20% 50V	
C406	1-163-007-11	CERAMIC CHIP 680PF 10% 50V	
C407	1-163-263-11	CERAMIC CHIP 330PF 5% 50V	
C408	1-163-263-11	CERAMIC CHIP 330PF 5% 50V	
C409	1-104-665-11	ELECT 100uF 20% 16V	
C411	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
C412	1-104-665-11	ELECT 100uF 20% 16V	
C413	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C414	1-130-487-00	MYLAR 0.022uF 5% 50V	
C415	1-126-965-11	ELECT 22uF 20% 50V	
C421	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
C422	1-104-665-11	ELECT 100uF 20% 16V	
C423	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C424	1-130-487-00	MYLAR 0.022uF 5% 50V	
C425	1-126-965-11	ELECT 22uF 20% 50V	
C426	1-163-007-11	CERAMIC CHIP 680PF 10% 50V	
C427	1-163-263-11	CERAMIC CHIP 330PF 5% 50V	
C428	1-163-263-11	CERAMIC CHIP 330PF 5% 50V	
C431	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
C432	1-104-665-11	ELECT 100uF 20% 16V	
C433	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C434	1-130-487-00	MYLAR 0.022uF 5% 50V	
C435	1-126-965-11	ELECT 22uF 20% 50V	
C461	1-104-665-11	ELECT 100uF 20% 16V	
C462	1-104-665-11	ELECT 100uF 20% 16V	
C463	1-104-665-11	ELECT 100uF 20% 16V	
C464	1-104-665-11	ELECT 100uF 20% 16V	

Ref. No.	Part No.	Description	Remark
C466	1-126-964-11	ELECT 10uF 20% 50V	
C467	1-163-021-11	CERAMIC CHIP 0.01uF 10% 50V	
C468	1-137-150-11	MYLAR 0.01uF 5% 100V	
C470	1-164-182-11	CERAMIC CHIP 0.0033uF 10% 50V	
C471	1-164-182-11	CERAMIC CHIP 0.0033uF 10% 50V	
C472	1-163-021-11	CERAMIC CHIP 0.01uF 10% 50V	
C473	1-126-964-11	ELECT 10uF 20% 50V	
C480	1-130-485-00	MYLAR 0.015uF 5% 50V	
		< CONNECTOR >	
CN401	1-569-931-11	CONNECTOR, FFC/FPC 14P	
		< IC >	
IC401	8-759-261-93	IC NJM4580LD	
IC402	8-759-261-93	IC NJM4580LD	
IC403	8-759-508-69	IC BA3126N	
		< COIL >	
L401	1-469-449-11	INDUCTOR 100uH	
		< TRANSISTOR >	
Q401	8-729-036-89	TRANSISTOR KTC3198GR-A	
Q402	8-729-036-89	TRANSISTOR KTC3198GR-A	
Q403	8-729-036-89	TRANSISTOR KTC3198GR-A	
Q404	8-729-037-02	TRANSISTOR KTA1266Y-AT	
		< RESISTOR >	
R401	1-216-107-00	METAL CHIP 270K 5% 1/10W	
R402	1-216-025-00	RES-CHIP 100 5% 1/10W	
R403	1-216-068-00	METAL CHIP 6.2K 5% 1/10W	
R404	1-216-101-00	METAL CHIP 150K 5% 1/10W	
R405	1-216-025-00	RES-CHIP 100 5% 1/10W	
R406	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R411	1-216-107-00	METAL CHIP 270K 5% 1/10W	
R412	1-216-025-00	RES-CHIP 100 5% 1/10W	
R413	1-216-068-00	METAL CHIP 6.2K 5% 1/10W	
R414	1-216-101-00	METAL CHIP 150K 5% 1/10W	
R421	1-216-107-00	METAL CHIP 270K 5% 1/10W	
R422	1-216-025-00	RES-CHIP 100 5% 1/10W	
R423	1-216-068-00	METAL CHIP 6.2K 5% 1/10W	
R424	1-216-101-00	METAL CHIP 150K 5% 1/10W	
R425	1-216-025-00	RES-CHIP 100 5% 1/10W	
R426	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R431	1-216-107-00	METAL CHIP 270K 5% 1/10W	
R432	1-216-025-00	RES-CHIP 100 5% 1/10W	
R433	1-216-068-00	METAL CHIP 6.2K 5% 1/10W	
R434	1-216-101-00	METAL CHIP 150K 5% 1/10W	
R461	1-216-033-00	METAL CHIP 220 5% 1/10W	
R462	1-216-033-00	METAL CHIP 220 5% 1/10W	
R463	1-216-033-00	METAL CHIP 220 5% 1/10W	
R464	1-216-033-00	METAL CHIP 220 5% 1/10W	
R465	1-216-033-00	METAL CHIP 220 5% 1/10W	
R466	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R467	1-217-671-11	METAL CHIP 1 5% 1/10W	
R468	1-216-308-00	METAL CHIP 4.7 5% 1/10W	
R469	1-216-308-00	METAL CHIP 4.7 5% 1/10W	
R470	1-216-081-00	METAL CHIP 22K 5% 1/10W	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description			Remark
R471	1-216-081-00	METAL CHIP	22K	5%	1/10W
R472	1-216-081-00	METAL CHIP	22K	5%	1/10W
R473	1-216-081-00	METAL CHIP	22K	5%	1/10W
		< VARIABLE RESISTOR >			
RV401	1-241-765-11	RES, ADJ, CARBON 22K			
RV402	1-241-765-11	RES, ADJ, CARBON 22K			
RV403	1-241-767-21	RES, ADJ, CARBON 100K			
RV421	1-241-765-11	RES, ADJ, CARBON 22K			
RV422	1-241-765-11	RES, ADJ, CARBON 22K			
RV423	1-241-767-21	RES, ADJ, CARBON 100K			
		< TRANSFORMER >			
T401	1-419-080-11	COIL			
T421	1-419-080-11	COIL			
T461	1-419-081-11	TRANSFORMER, BIAS OSCILLATION			
**********					
		MISCELLANEOUS			
		**********			
11	1-772-645-11	DECK, MECHANICAL (TCM)			
57	1-791-437-12	WIRE (FLAT TYPE) (FFC) (17 CORE) (23cm)			
58	1-791-438-12	WIRE (FLAT TYPE) (FFC) (21 CORE)			
62	1-418-692-31	INDICATOR BLOCK, LED (DECK-A CASSETTE HOLDER BACK LIGHT)			
66	1-792-835-11	WIRE (FLAT TYPE) (23 CORE)			
71	1-418-693-31	INDICATOR BLOCK, LED (DECK-B CASSETTE HOLDER BACK LIGHT)			
101	1-792-834-11	WIRE (FLAT TYPE) (19 CORE)			
104	1-678-414-11	PWB, RETAINER			
106	A-4303-600-A	TUNER PACK (TCB-020) (AEP, UK, AUS)			
106	A-4303-604-A	TUNER PACK (TCB-020N) (EA)			
108	1-792-832-11	WIRE (FLAT TYPE) (14 CORE)			
109	1-792-833-11	WIRE (FLAT TYPE) (17 CORE) (22cm)			
⚠114	1-690-608-11	CORD, POWER (AUS)			
⚠114	1-696-169-11	CORD, POWER (AEP, UK)			
⚠114	1-696-169-21	CORD, POWER (EA)			
⚠115	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)			
⚠203	8-848-483-05	OPTICAL PICK-UP KSM-213CKP/K1N			
M901	A-4672-891-A	MOTOR (LD) ASSY (LOADING)			
⚠T901	1-435-386-11	TRANSFORMER, POWER (AEP, UK, AUS)			
⚠T901	1-435-628-11	TRANSFORMER, POWER (EA)			
**********					
		**********			
		HARDWARE LIST			
		**********			
#1	7-685-546-14	SCREW +BTP 3X8 TYPE2 N-S			
#2	7-685-245-19	SCREW +KTP 3X6 TYPE2 NON-SLIT			
#3	7-685-246-14	SCREW +KTP 3X8 TYPE2 NON-SLIT			
#4	7-685-659-14	SCREW +BVTP 4X8 TYPE2 N-S			
#5	7-685-544-19	SCREW +BTP 3X5 TYPE2 N-S			
#6	7-685-533-19	SCREW +BTP 2.6X6 TYPE2 N-S			
#7	7-621-255-32	SCREW +P 2X5			
#8	7-685-536-14	SCREW +BTP 2.6X12 TYPE2 N-S			

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9-929-255-11

Sony Corporation
Audio Entertainment Group

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